

L800027

**REDACTED**

United States Environmental Protection Agency  
Region 4



35<sup>TH</sup> AVENUE REMOVAL INVESTIGATION  
BIRMINGHAM, ALABAMA  
JEFF CROWLEY, ON-SCENE COORDINATOR

**FIELD SAMPLING LOGBOOK**

Book 1 of 1  
Inclusive Dates: 1/15/2013 - 1/18/2013

List of Sampling Team in logbook:

Name

Initials

Organization/Duties

(b) (6)

OTIE, Team Leader

OTIE

OTIE

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## **Sampling Procedures and Methodology**

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than ( $\leq$ ) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ( $>$ ) 5,000 square feet and  $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over  $\frac{1}{4}$ -acre in parcel lot size will be divided into  $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34<sup>th</sup> Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS

PROPERTY ID: CV0088

DATE: 1/15/2013

ARRIVAL TIME:

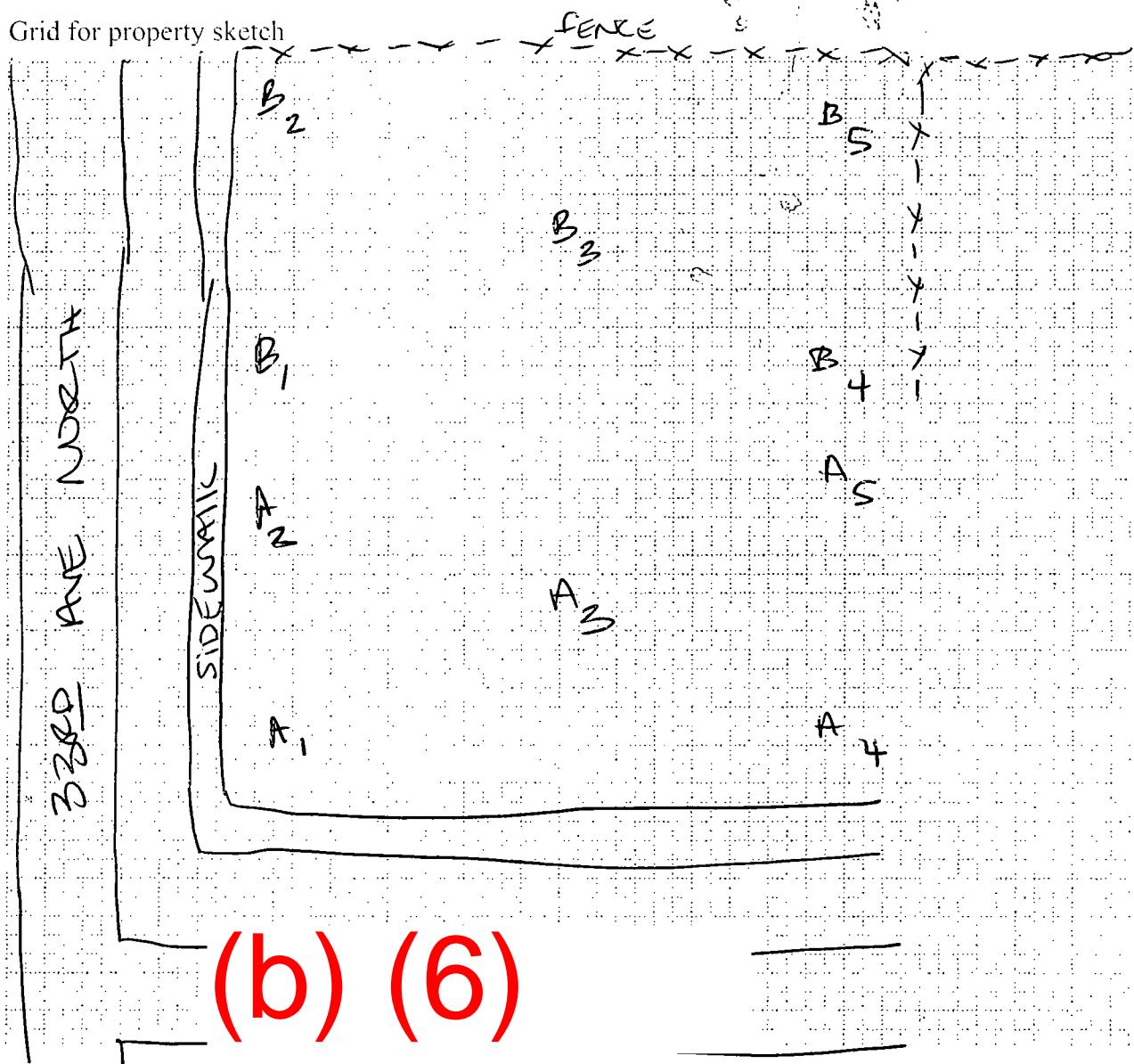
Other pertinent information (weather conditions, etc.):

40°F, RAINY, CLOUDY, STANDING WATER

PROPERTY COMMENTS:

EMPTY PARCEL (NO ON-SITE STRUCTURE)

Grid for property sketch



STATION ID: CVO088A

SAMPLE ID: CVO088A-CS

SAMPLE COLLECTION TIME: 0907

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: <u>33.55544412</u>	N Longitude <u>86.80360571</u> W
Media description: <u>VERY WET DARK BROWN SILT WITH COAL FRAGMENTS</u>	
Aliquot #2 Latitude: <u>33.55543581</u>	N Longitude <u>86.80343349</u> W
Media description: <u>SAME AS #1</u>	
Aliquot #3: Latitude: <u>33.55537411</u>	N Longitude <u>86.80348633</u> W
Media description: <u>WET DARK BROWN SILT</u>	
Aliquot #4: Latitude: <u>33.55535638</u>	N Longitude <u>86.80360531</u> W
Media description: <u>SAME AS #3</u>	
Aliquot #5: Latitude: <u>33.55534882</u>	N Longitude <u>86.80343115</u> W
Media description: <u>SAME AS #1</u>	

STATION ID: CVO088B

SAMPLE ID: CVO088B-CS

SAMPLE COLLECTION TIME: 0859

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: <u>33.55542740</u>	N Longitude <u>86.80340544</u> W
Media description: <u>Very wet DARK BROWN SILT</u>	
Aliquot #2 Latitude: <u>33.55542195</u>	N Longitude <u>86.80326071</u> W
Media description: <u>SAME AS #1</u>	
Aliquot #3: Latitude: <u>33.55538263</u>	N Longitude <u>86.80323217</u> W
Media description: <u>SAME AS #1</u>	
Aliquot #4: Latitude: <u>33.55535250</u>	N Longitude <u>86.80341184</u> W
Media description: <u>SAME AS #1</u>	
Aliquot #5: Latitude: <u>33.55533798</u>	N Longitude <u>86.80325831</u> W
Media description: <u>SAME AS #1</u>	

(b) (6)

ADDRESS

PROPERTY ID: CV0092

DATE: 1/15/2013

ARRIVAL TIME:

1015

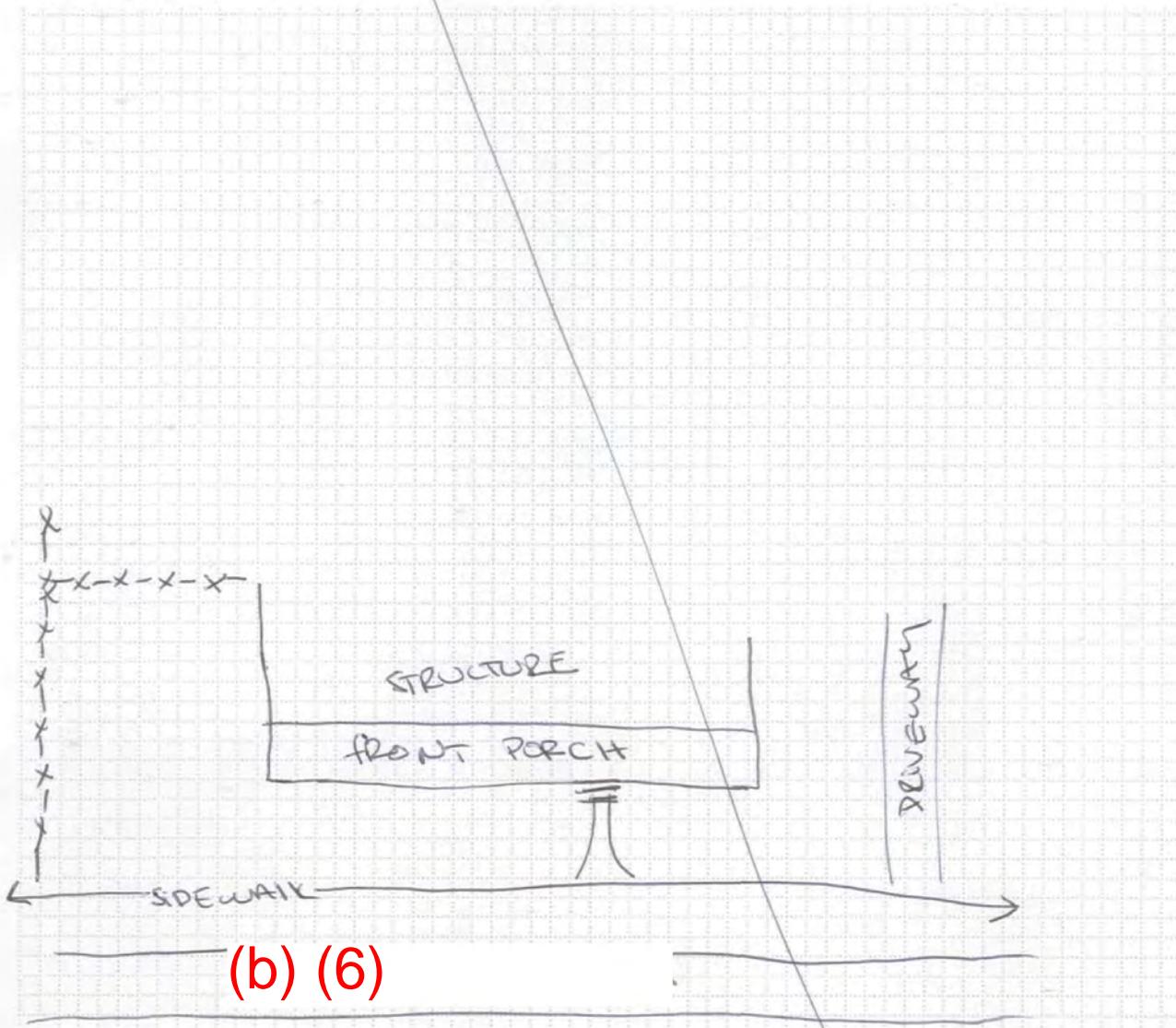
Other pertinent information (weather conditions, etc.):

40°F, Cloudy with Misty - RAIN

PROPERTY COMMENTS:

BRICK STRUCTURE ON-SITE. GATE  
SURROUNDING BACK YARD - LOCKED. CALLED PHONE  
NUMBER PROVIDED BUT WAS NOT A WORKING  
NUMBER.

Grid for property sketch



STATION ID: CV0092

SAMPLE ID: CV0092A

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): \_\_\_\_\_

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ] Instrument #: \_\_\_\_\_ Logged? Y or N

Aliquot #1: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #2: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): \_\_\_\_\_

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ] Instrument #: \_\_\_\_\_ Logged? Y or N

Aliquot #1: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #2: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: \_\_\_\_\_

**(b) (6)**

ADDRESS:

PROPERTY ID: CVO148

DATE: 1/15/2013

ARRIVAL TIME: 0928

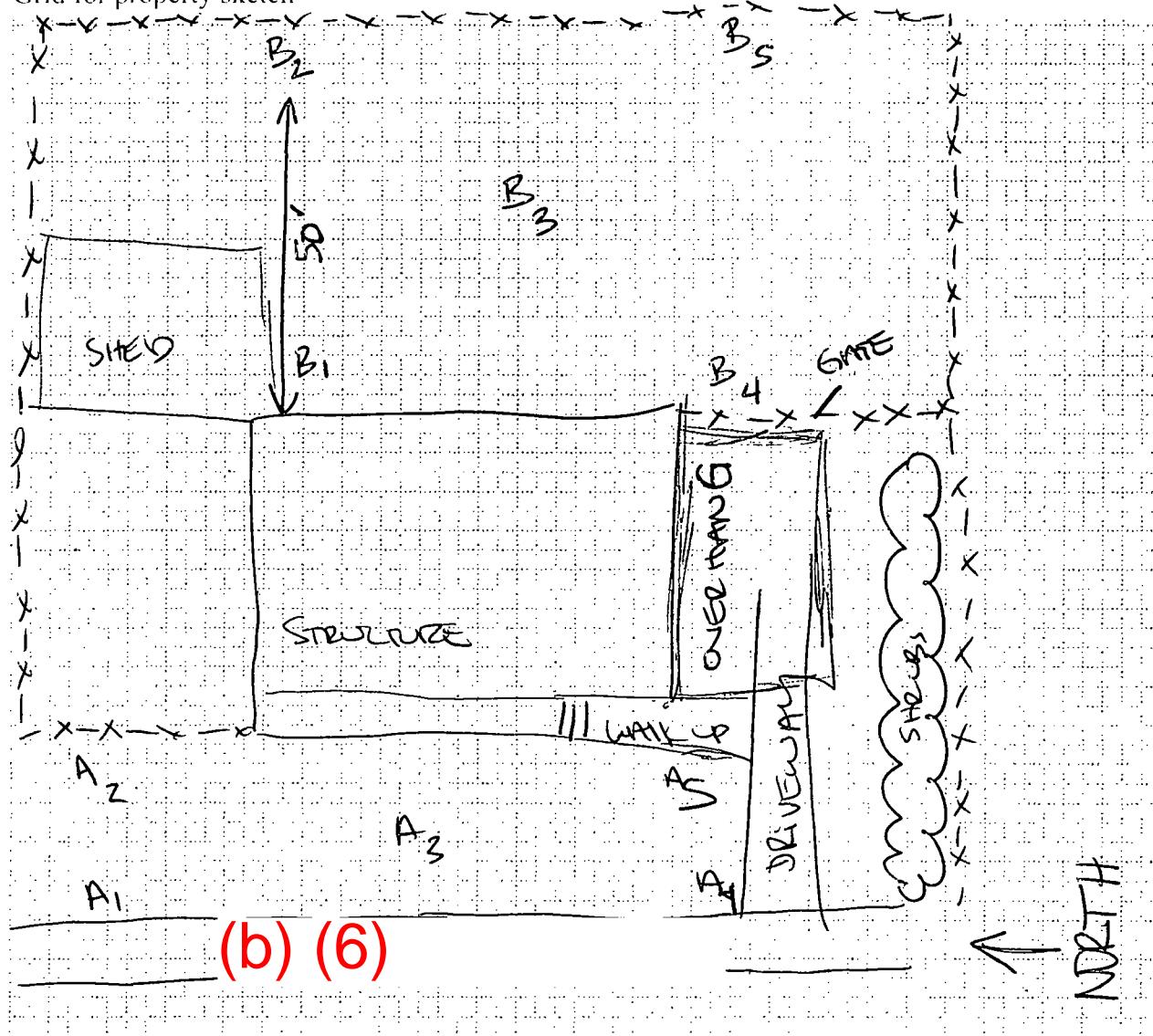
Other pertinent information (weather conditions, etc.):

40°F, CLOUDY WITH ON AND OFF RAIN

PROPERTY COMMENTS:

CLOSED GATE  
GATE WAS LOCKED BUT STARTS WERE ABLE TO  
UNLOCK THE GATE.

Grid for property sketch



STATION ID: CVO148A

SAMPLE ID: CVO148-CS

SAMPLE COLLECTION TIME: 1000

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ]	Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55903240 N Longitude 86.80576008 W		
Media description: BROWN SILTY CLAY		
Aliquot #2 Latitude: 33.55903674 N Longitude 86.80574791 W		
Media description: BROWN SILTY CLAY WITH COAL FRAGMENTS		
Aliquot #3: Latitude: 33.55898758 N Longitude 86.80576047 W		
Media description: SAME AS #1		
Aliquot #4: Latitude: 33.55894905 N Longitude 86.805760374 W		
Media description: SAME AS #2		
Aliquot #5: Latitude: 33.55896103 N Longitude 86.80573979 W		
Media description: SAME AS #1		

STATION ID: CVO148B

SAMPLE ID: CVO148B-CS

SAMPLE COLLECTION TIME: 1019

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BASIC YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ]	Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55898805 N Longitude 86.80555715 W		
Media description: WET SILTY CLAY WITH GRAVEL FRAGMENTS		
Aliquot #2 Latitude: 33.55901205 N Longitude 86.80540995 W		
Media description: SAME AS #1		
Aliquot #3: Latitude: 33.55895433 N Longitude 86.80549204 W		
Media description: SAME AS #1		
Aliquot #4: Latitude: 33.55894095 N Longitude 86.80556384 W		
Media description: SAME AS #1		
Aliquot #5: Latitude: 33.55893111 N Longitude 86.80540964 W		
Media description: SAME AS #1		

(b) (6)

ADDRESS:

PROPERTY ID: CV0198

DATE: 1/15/2013

ARRIVAL TIME: 1040

Other pertinent information (weather conditions, etc.):

38°F CLOUDY WITH RAIN SHOWERS

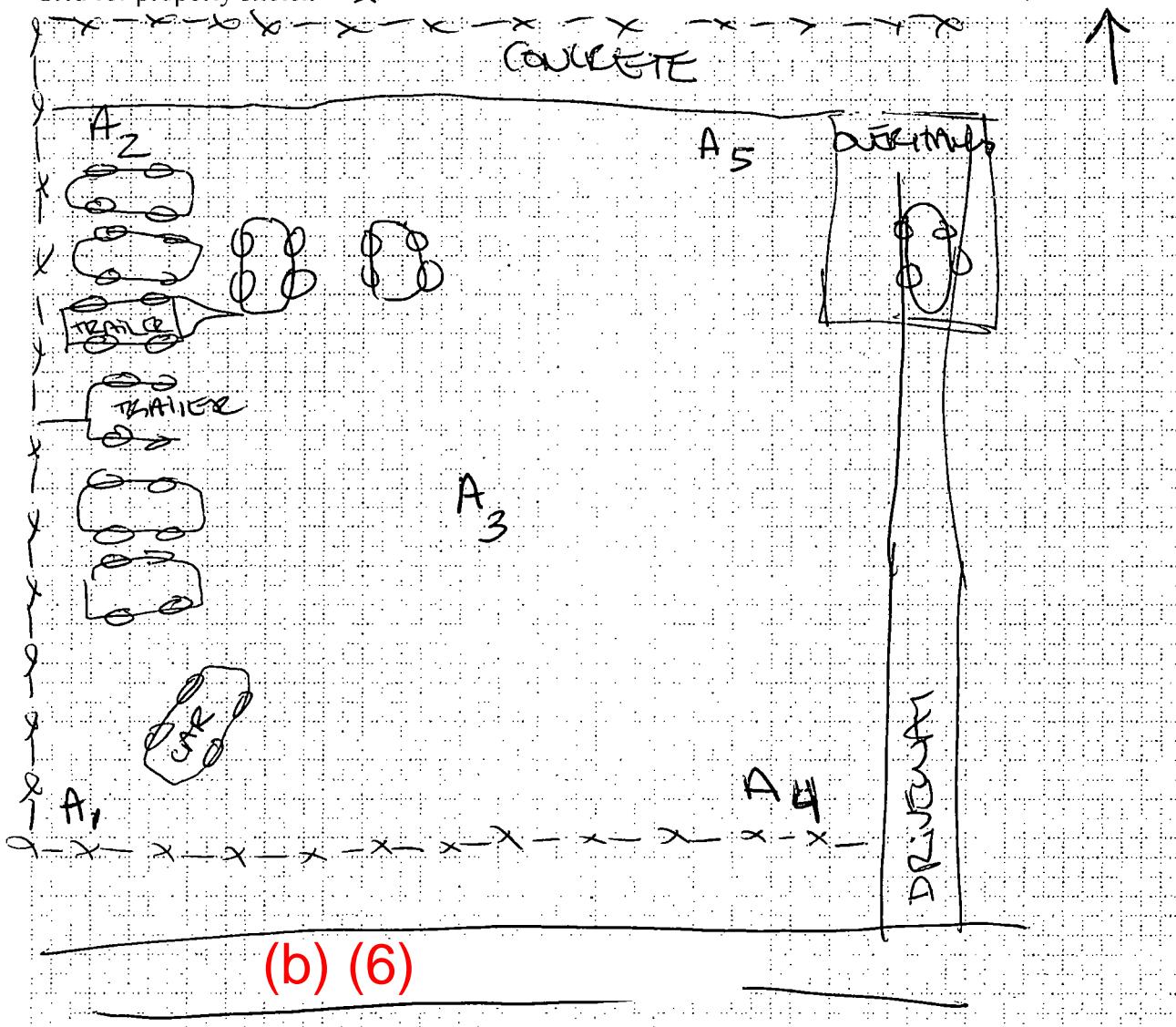
PROPERTY COMMENTS:

PARKING LOT AREA - NO ON-SITE STRUCTURE

Grid for property sketch

\* NOT TO SCALE \*

NORTH



STATION ID: CV0198A

SAMPLE ID: CV0198A-CS

SAMPLE COLLECTION TIME: 1108

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

ONLY ONE SAMPLE

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55452257	N Longitude 86.79774468 W
Media description: LIGHT BROWN SILTY CLAY	
Aliquot #2 Latitude: 33.55471169	N Longitude 86.79773948 W
Media description: RED & -86.79773948 W	WET CLAY MEDIUM TO COARSE
Aliquot #3: Latitude: 33.55457152	N Longitude 86.79765604 W
Media description: SAME AS #5	
Aliquot #4: Latitude: 33.55451471	N Longitude 86.79759026 W
Media description: BROWN WET SILTY CLAY	
Aliquot #5: Latitude: 33.55469761	N Longitude 86.79744326 W
Media description: BLACK SILTY CLAY WITH COAL FRAGMENTS	

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #2 Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #3: Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #4: Latitude: _____	N Longitude _____ W
Media description: _____	
Aliquot #5: Latitude: _____	N Longitude _____ W
Media description: _____	

(b) (6)

ADDRESS

PROPERTY ID: CVO199

DATE: 1/15/2013

ARRIVAL TIME: 1120

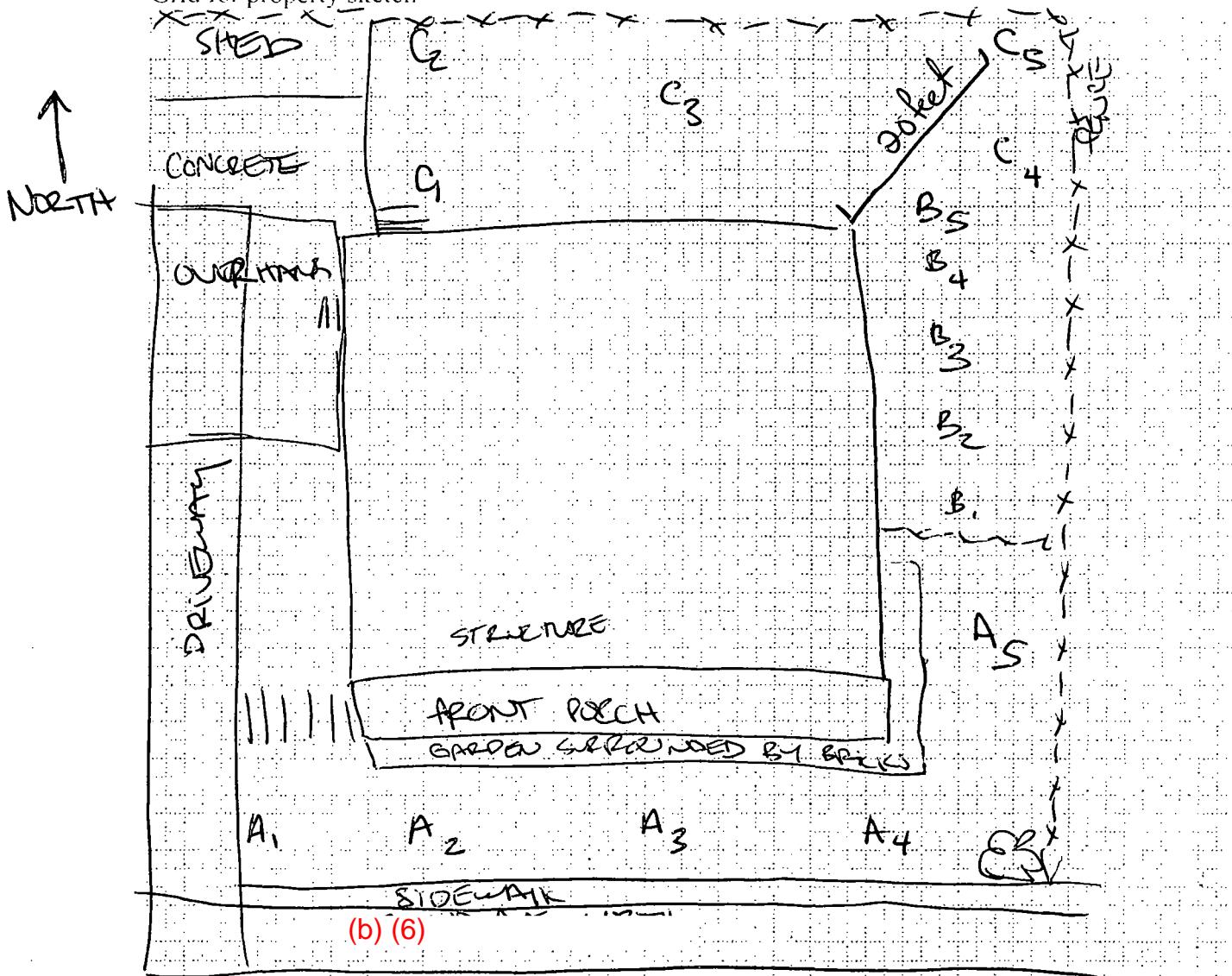
Other pertinent information (weather conditions, etc.):

59°F CLOUDY WITH RAIN SHOWERS

PROPERTY COMMENTS:

ACCURACY OF BB UNIT IS LOW FOR SOME POINTS. POINT B<sub>4</sub> WAS UNAVAILABLE.

Grid for property sketch



STATION ID: CVO199A

SAMPLE ID: CVO199A-CS

SAMPLE COLLECTION TIME: 1145

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT YARD

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:					
GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N					
Aliquot #1: Latitude: 33.55449906 N Longitude 86.79753650 W					
Media description: DARK BROWN SILT WITH COAL FRAGMENTS					
Aliquot #2 Latitude: 33.55449262 N Longitude 86.79752225 W					
Media description: BROWN SILTY WET CLAY					
Aliquot #3: Latitude: 33.55449632 N Longitude 86.79749580 W					
Media description: SAME AS #2					
Aliquot #4: Latitude: 33.55448749 N Longitude 86.79747655 W					
Media description: SAME AS #2					
Aliquot #5: Latitude: 33.55451420 N Longitude 86.79745464 W					
Media description: SAME AS #2					

STATION ID: CVO199B

SAMPLE ID: CVO199B-CS

SAMPLE COLLECTION TIME: 1134

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SIDE YARD

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:					
GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N					
Aliquot #1: Latitude: 33.55455400 N Longitude 86.79745037 W					
Media description: BROWN SILTY CLAY WITH GRAVEL M TO G					
Aliquot #2 Latitude: 33.55458393 N Longitude 86.79744995 W					
Media description: SAME AS #1					
Aliquot #3: Latitude: 33.55461550 N Longitude 86.79745091 W					
Media description: SAME AS #1					
Aliquot #4: Latitude: N Longitude W					
Media description: SAME AS #1					
Aliquot #5: Latitude: 33.55471982 N Longitude 86.79746221 W					
Media description: SAME AS #1					

**(b) (6)**

ADDRESS:

PROPERTY ID: CVO199

DATE: 1/15/2013

ARRIVAL TIME: 1120

Other pertinent information (weather conditions, etc.):

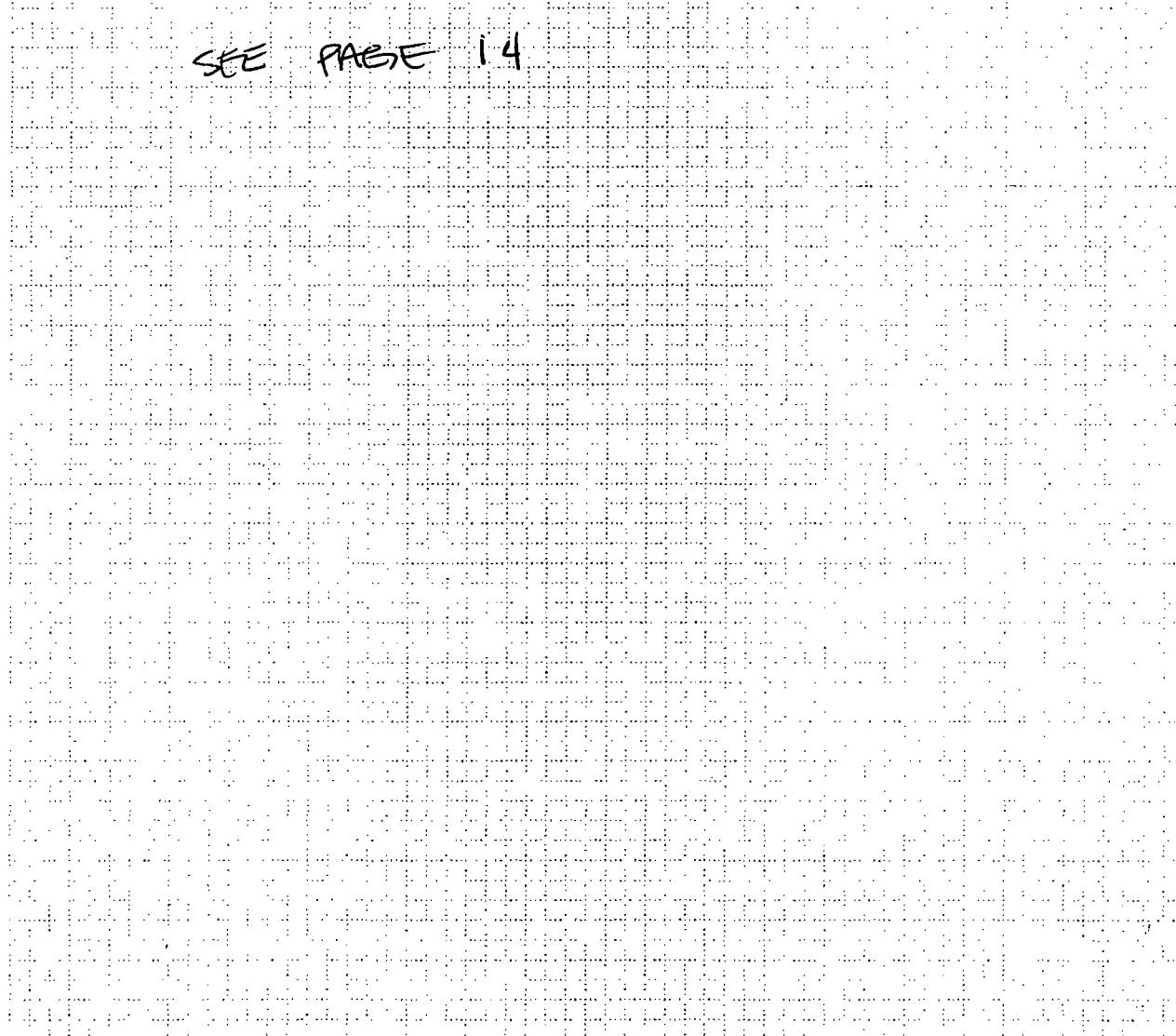
SEE PAGE 14

PROPERTY COMMENTS:

SEE PAGE 14

Grid for property sketch

SEE PAGE 14



STATION ID: CWD199C

SAMPLE ID: CWD199C-CS

SAMPLE COLLECTION TIME: 1137

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55474232 Media description: BROWN TO SILTY CLAY WITH GRAVEL M TO C	N Longitude 80.79752009 W
Aliquot #2 Latitude: 33.55480526 Media description: SAME AS #1	N Longitude 80.79746772 W
Aliquot #3: Latitude: 33.55478932 Media description: SAME AS #1	N Longitude 80.79747032 W
Aliquot #4: Latitude: 33.55475382 Media description: SAME AS #1	N Longitude 80.79745003 W
Aliquot #5: Latitude: 33.55480104 Media description: SAME AS #1	N Longitude 80.79745129 W

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

~~SAMPLE COLLECTION TIME: \_\_\_\_\_~~

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

~~Collection: Composite or Grab~~

~~MS/MSD? Y or N~~

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: _____ Media description: _____	N Longitude _____ W
Aliquot #2 Latitude: _____ Media description: _____	N Longitude _____ W
Aliquot #3: Latitude: _____ Media description: _____	N Longitude _____ W
Aliquot #4: Latitude: _____ Media description: _____	N Longitude _____ W
Aliquot #5: Latitude: _____ Media description: _____	N Longitude _____ W

**(b) (6)**

ADDRESS:

PROPERTY ID:

CV-01651

DATE: 1/15/2013

ARRIVAL TIME: 1400

Other pertinent information (weather conditions, etc.):

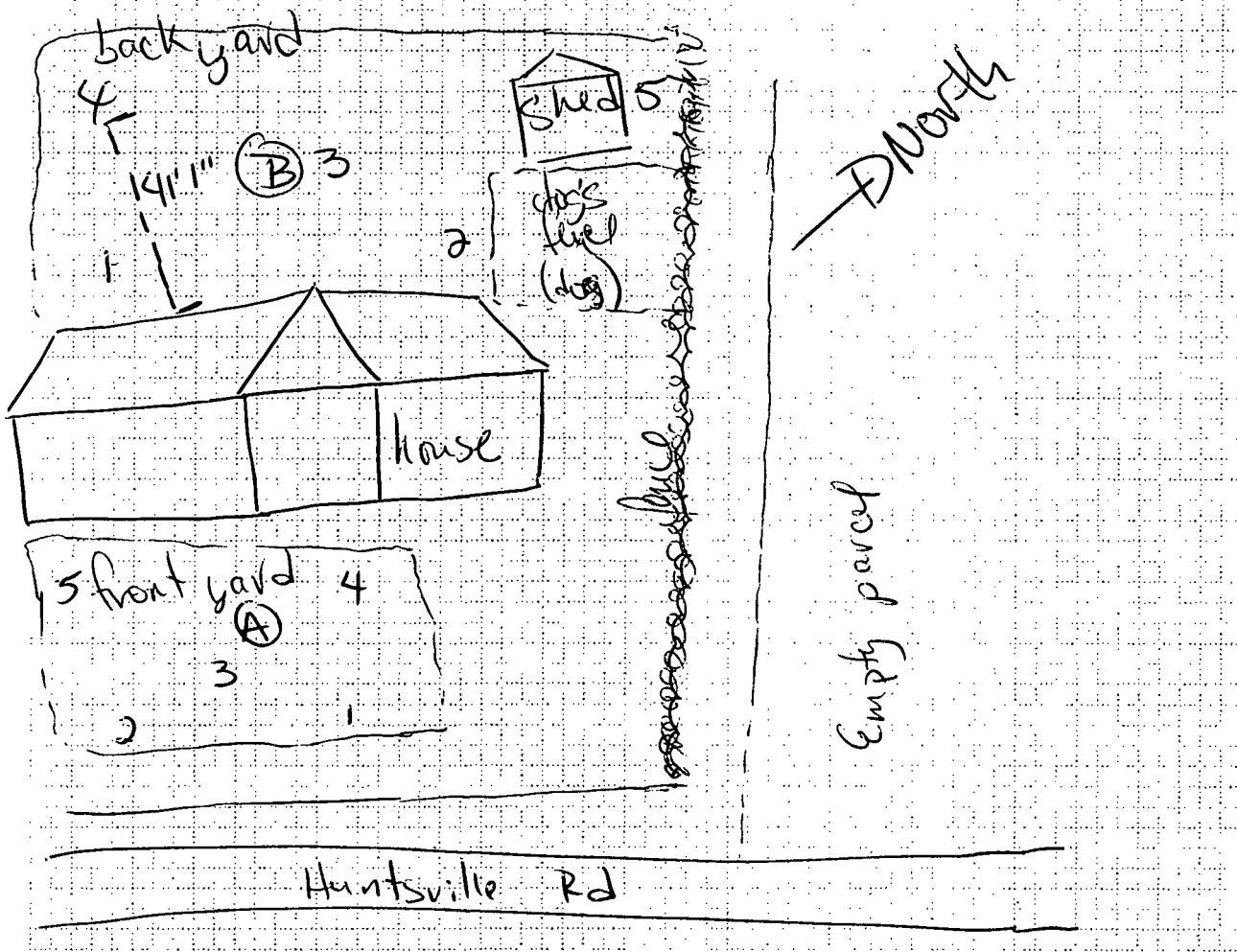
45°F ; cloudy wind: E 1 mph

PROPERTY COMMENTS:

Chained dog in back yard. No response at the door; START will proceed to sample front yard & back yard.

Grid for property sketch

not to scale



STATION ID: CV0651A SAMPLE ID: CV0651A-CS

SAMPLE COLLECTION TIME: 1438

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	018594	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude:	33.55922281	N Longitude 86.8018317 W
Media description:	dark brown wet silt w. coal fragments/w reddish clay	
Aliquot #2 Latitude:	33.55917225	N Longitude 86.80122905 W
Media description:	Same as #1	
Aliquot #3: Latitude:	33.55921250	N Longitude 86.80123785 W
Media description:	Same as #1	
Aliquot #4: Latitude:	33.55924945	N Longitude 86.80122148 W
Media description:	Same as #1	
Aliquot #5: Latitude:	33.55920280	N Longitude 86.80127320 W
Media description:	Same #1	

STATION ID: CV0651B SAMPLE ID: CV0651B-CS

SAMPLE COLLECTION TIME: 1432

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	018594	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude:	33.55939901	N Longitude 86.80140987 W
Media description:	dark brown mud	
Aliquot #2 Latitude:	33.55933892	N Longitude 86.80145339 W
Media description:	Same as #1	
Aliquot #3: Latitude:	33.55941634	N Longitude 86.80147268 W
Media description:	Same as #1	
Aliquot #4: Latitude:	33.55948744	N Longitude 86.80144410 W
Media description:	Same as #1	
Aliquot #5: Latitude:	33.55940233	N Longitude 86.80154633 W
Media description:	Same as #1	

(b) (6)

ADDRESS:

PROPERTY ID: CV0649

DATE: 11/15/13

ARRIVAL TIME: 1450

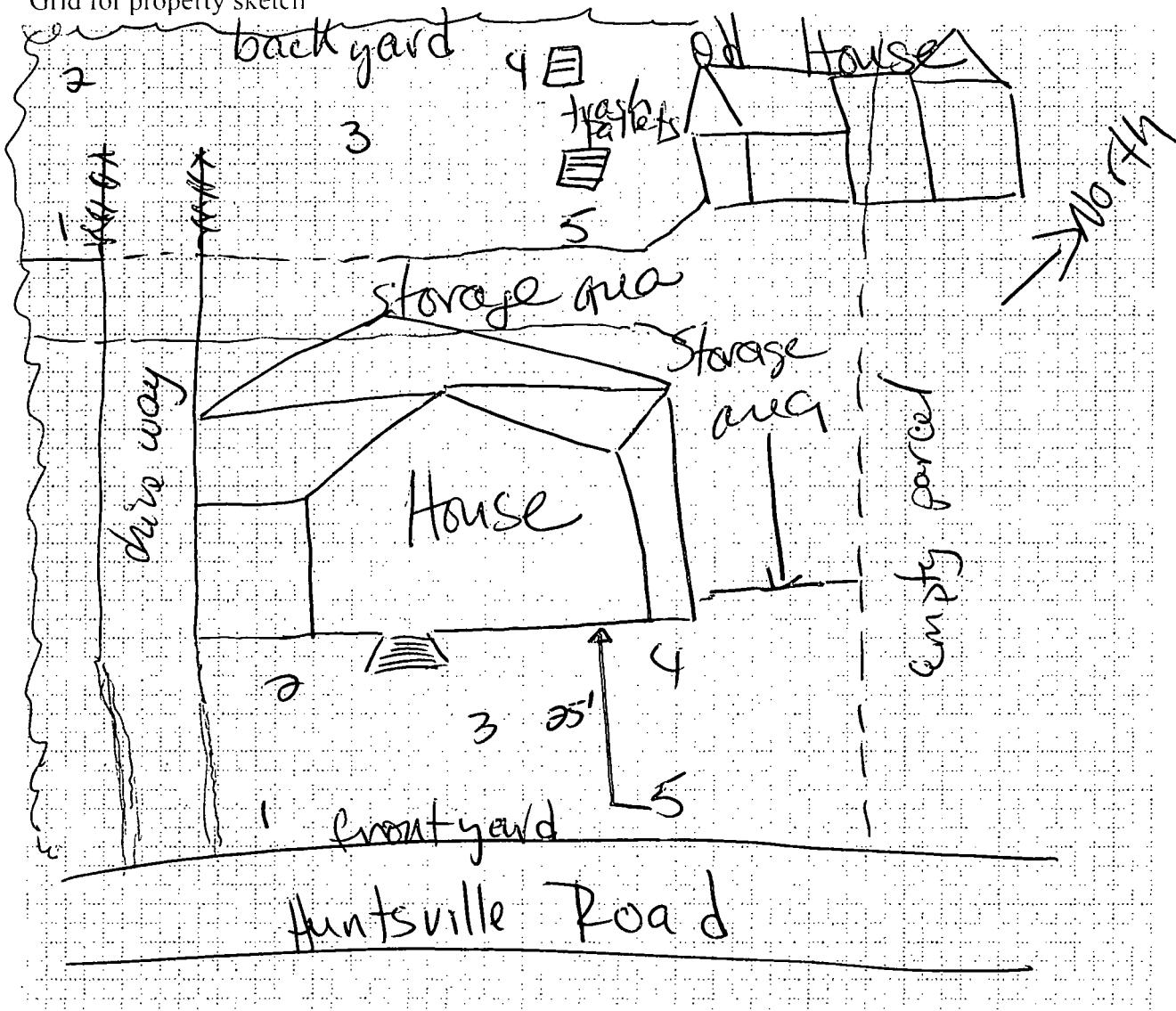
Other pertinent information (weather conditions, etc.):

45°F and cloudy

PROPERTY COMMENTS:

START talked to owner and proceed to samples at the backyard and front yard. Old house at the back yard and takes part of empty parcel. Lots of trash and construction debris in back yard.

Grid for property sketch



STATION ID: CV0649 ASAMPLE ID: CV0649 A-CSSAMPLE COLLECTION TIME: 1526

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yardCollection:  Composite or GrabMS/MSD? Y or  NField Duplicate or Split: Yes or  No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble  Instrument #: 018594 Logged?  Y or N

Aliquot #1: Latitude: 33.55898087 N Longitude 86.80141810 W  
Media description: reddish brown silty clay wet

Aliquot #2: Latitude: 33.55900775 N Longitude 86.80143447 W  
Media description: dark brown wet silt/silty clay wet

Aliquot #3: Latitude: 33.55902392 N Longitude 86.80139893  
Media description: dark brown silt just

Aliquot #4: Latitude: 33.55900604 N Longitude 86.80138760 W  
Media description: dark brown silt just

Aliquot #5: Latitude: 33.55904849 N Longitude 86.80137525  
Media description: reddish brown same as #1

STATION ID: CV0649 BSAMPLE ID: CV0649B-CSSAMPLE COLLECTION TIME: 1532

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yardCollection:  Composite or GrabMS/MSD? Y or  N

Field Duplicate or Split: Yes or  No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble  Instrument #: 018594 Logged?  Y or N

Aliquot #1: Latitude: 33.55917606 N Longitude 86.80172201 W  
Media description: dark brown silty clay wet

Aliquot #2: Latitude: 33.559212291 N Longitude 86.80175440 W  
Media description: Same as #1

Aliquot #3: Latitude: 33.55924071 N Longitude 86.80169586 W  
Media description: Same as #1

Aliquot #4: Latitude: 33.55930591 N Longitude 86.80167419 W  
Media description: Same as #1

Aliquot #5: Latitude: 33.55928201 N Longitude 86.80163238 W  
Media description: same #1 with paint chips and other debris

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV 0654  
DATE: 1/15/13 ARRIVAL TIME: 1555

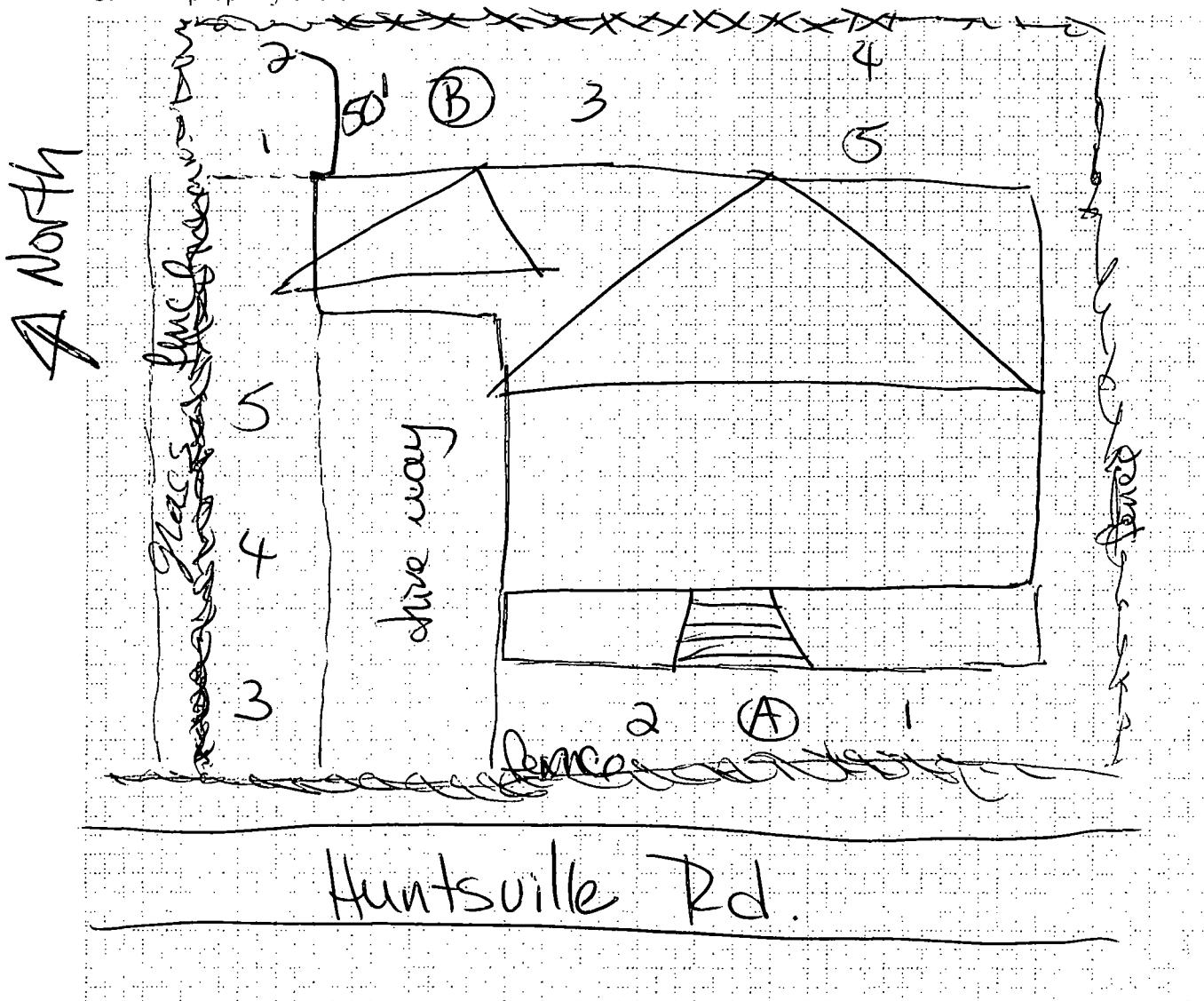
Other pertinent information (weather conditions, etc.):

44°F and cloudy

PROPERTY COMMENTS:

Property/same owner of 3630 & 3700 Huntsville Rd properties.  
According to the owner this property is vacant; samples will be  
collected at front yard and back yard.

Grid for property sketch



STATION ID: CV0654 A

SAMPLE ID: CV0654A-CS

SAMPLE COLLECTION TIME: 1625

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: 018594	Logged? Y or N
Aliquot #1: Latitude: 33.55916278	N Longitude 86.800991860	W
Media description: dark brown silt/wet		
Aliquot #2: Latitude: 33.55919879	N Longitude 86.8095453	W
Media description: dark brown silt/wet		
Aliquot #3: Latitude: 33.55924684	N Longitude 86.80087211	W
Media description: reddish brown silty clay		
Aliquot #4: Latitude: 33.55919459	N Longitude 86.800834605	W
Media description: dark brown silt w/ tan clay /wet		
Aliquot #5: Latitude: 33.55917414	N Longitude 86.80077342	W
Media description: dark brown silt/wet		

STATION ID: CV0654 B

SAMPLE ID: CV0654B-CS

SAMPLE COLLECTION TIME: 1627

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: 018594	Logged? Y or N
Aliquot #1: Latitude: 33.559108091	N Longitude 86.80070023	W
Media description: dark brown mud		
Aliquot #2: Latitude: 33.55900747	N Longitude 86.80061131	W
Media description: same as #1		
Aliquot #3: Latitude: 33.55902242	N Longitude 86.80068566	W
Media description: same as #1		
Aliquot #4: Latitude: 33.558975604	N Longitude 86.80071996	W
Media description: same as #1		
Aliquot #5: Latitude: 33.55904446	N Longitude 86.80073957	W
Media description: same as #1		

(b) (6)

## ADDRESS

DATE: 1/10/2013

PROPERTY ID: CV0694

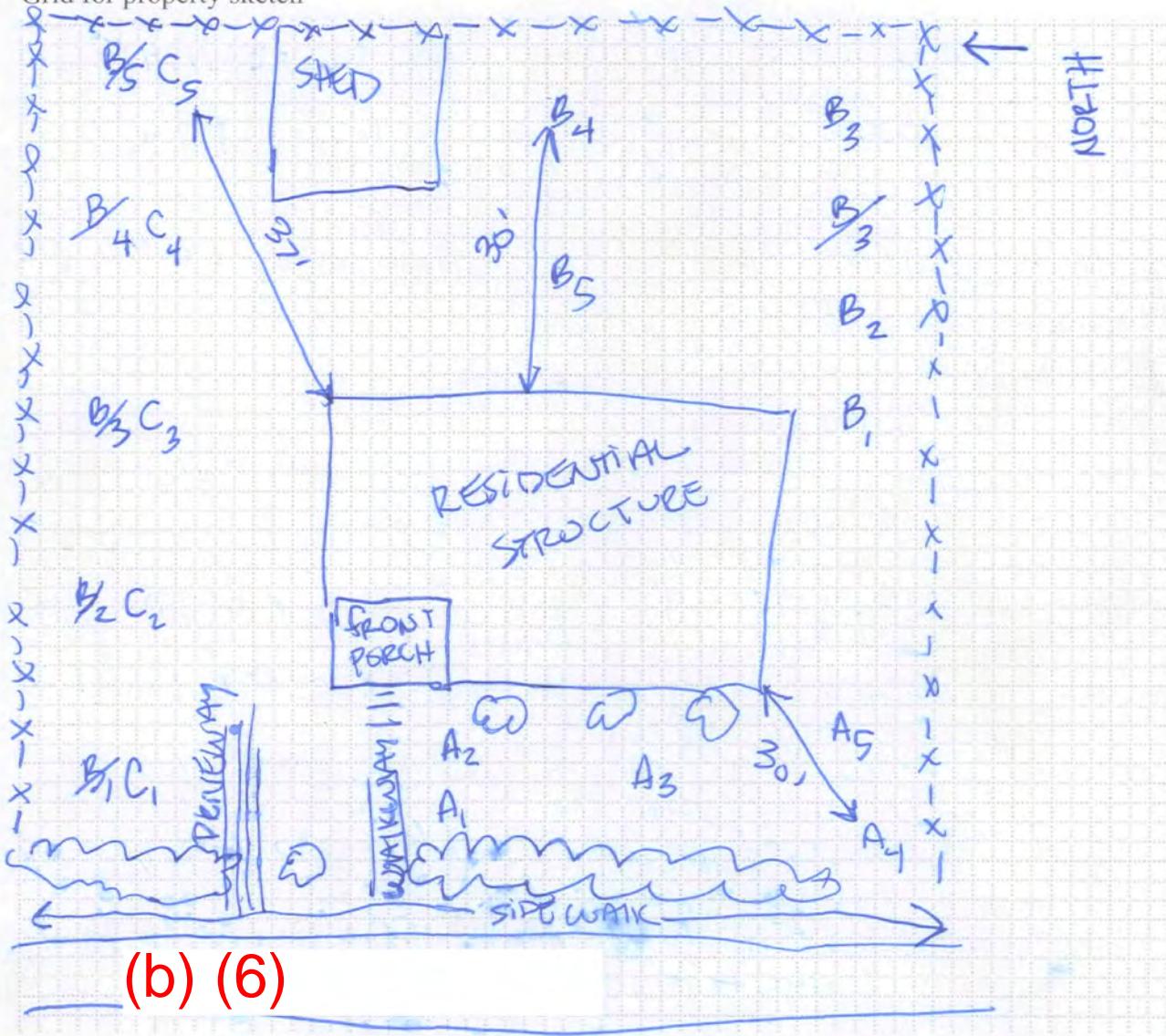
ARRIVAL TIME: 8:35 AM

**Other pertinent information (weather conditions, etc.):**

40° F, RAIN AND CLOUDS COVERING SKY

**PROPERTY COMMENTS:**

## Grid for property sketch



STATION ID: CN0094

SAMPLE ID: CN0094A-CS

SAMPLE COLLECTION TIME: 0858

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N

Aliquot #1: Latitude: 33.55764241 N Longitude 86.80487486 W

Media description: DARK BROWN SILTY SOIL WITH COAL FRAGMENTS

VERY  
WET

Aliquot #2 Latitude: 33.55760009 N Longitude 86.80482595 W

Media description: SAME AS #1

Aliquot #3: Latitude: 33.557541670 N Longitude 86.80483902 W

Media description: SAME AS #1

Aliquot #4: Latitude: 33.557485742 N Longitude 86.80485742 W

Media description: SAME AS #1

Aliquot #5: Latitude: 33.55749125 N Longitude 86.80479040 W

Media description: SAME AS #1

STATION ID: CN0094 SAMPLE ID: CN0094B-CS

SAMPLE COLLECTION TIME: 0905

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N

Aliquot #1: Latitude: 33.55750656 N Longitude 86.80470741 W

Media description: REDISH-BROWN SILTY SOIL WITH COAL FRAGMENTS - WET

Aliquot #2 Latitude: 33.55749092 N Longitude 86.80463274 W

Media description: SAME AS #1

Aliquot #3: Latitude: 33.55749013 N Longitude 86.80454401 W

Media description: SAME AS #1

Aliquot #4: Latitude: 33.55759177 N Longitude 86.80453260 W

Media description: SAME AS #1

Aliquot #5: Latitude: 33.55759673 N Longitude 86.80460104 W

Media description: SAME AS #1

**(b) (6)**

ADDRESS:

DATE: 1/16/2013

PROPERTY ID: CX0094

ARRIVAL TIME: 8:35 AM

Other pertinent information (weather conditions, etc.):

SEE PAGE 24

PROPERTY COMMENTS:

SEE PAGE 24

Grid for property sketch

SEE PAGE 24

STATION ID: CV0094

SAMPLE ID: CV0094C-CS

SAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SIDE YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N

Aliquot #1: Latitude: 33.557169914 N Longitude 80.80484142 W

Media description: REDISH-BROWN SILTY SOIL WITH COAL FRAGMENTS - VERY WET

Aliquot #2: Latitude: 33.557702023 N Longitude 80.80477747 W

Media description: SAME AS #1

Aliquot #3: Latitude: 33.557705100 N Longitude 80.80471207 W

Media description: SAME AS #1

Aliquot #4: Latitude: 33.55770427 N Longitude 80.80463840 W

Media description: SAME AS #1

Aliquot #5: Latitude: 33.55770502 N Longitude 80.80455727 W

Media description: SAME AS #1

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #: Logged? Y or N

Aliquot #1: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #2: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: \_\_\_\_\_ N Longitude \_\_\_\_\_ W

Media description: \_\_\_\_\_

(b) (6)

ADDRESS

DATE: 1/16/2013

CV0860

CV0904

PROPERTY ID:

0947

ARRIVAL TIME:

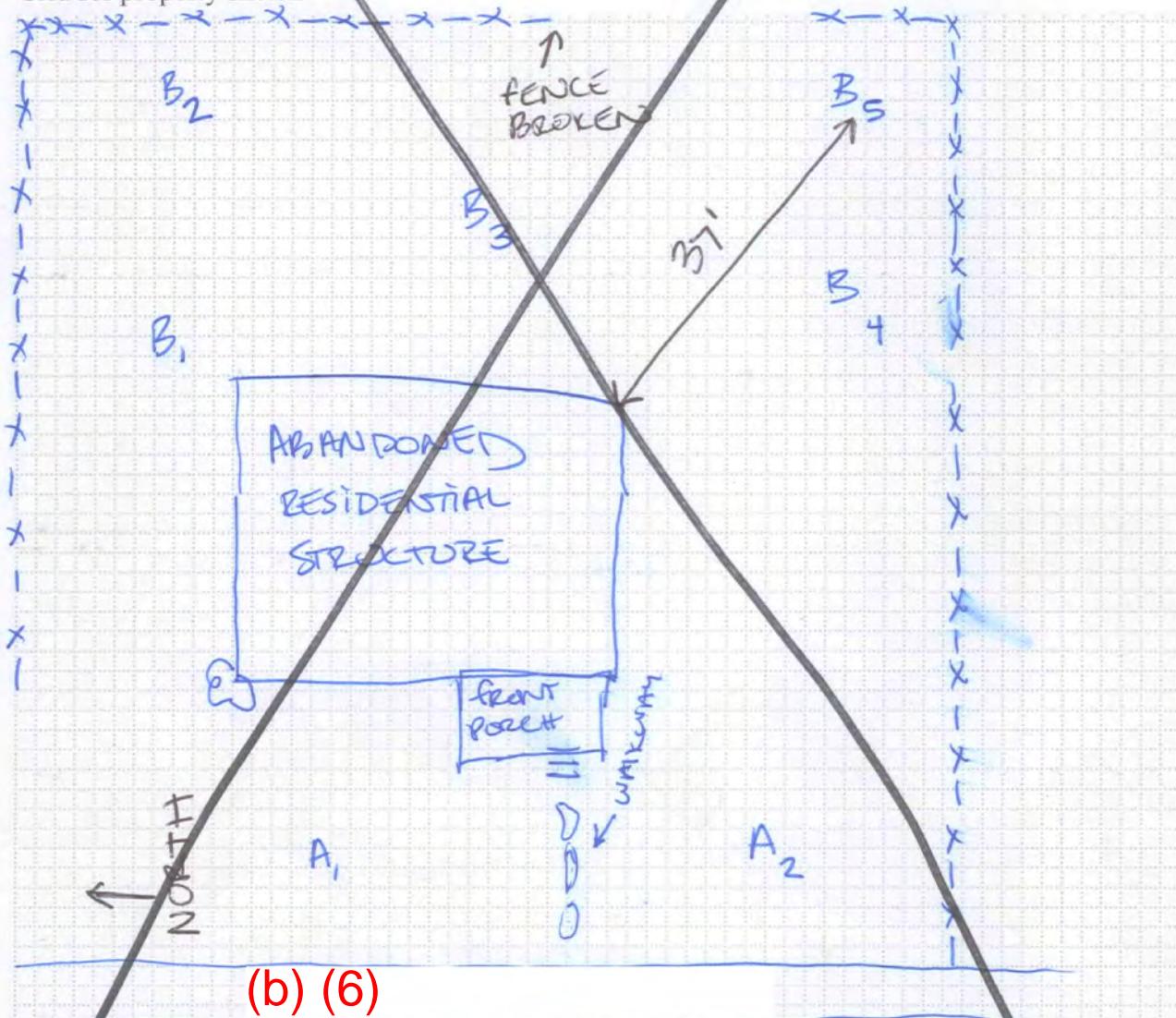
Other pertinent information (weather conditions, etc.):

40°F, RAIN ON AND OFF, CLOUD COVER

PROPERTY COMMENTS:

PROPERTY APPEARS TO BE ABANDONED WITH  
BOARDDED UP WINDOWS AND A BROKEN  
DOOR ON THE ON-SITE RESIDENTIAL  
STRUCTURE. "DANGER DO NOT ENTER" SIGN  
ON STRUCTURE.

Grid for property sketch



1/16/2013  
60001 COOL

CV0800

STATION ID: EN0904

CV0860A-CS

SAMPLE ID: EN0904A-CS

SAMPLE COLLECTION TIME: 1016

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT YARD

Collection: Composite or Grab - 2 POINT

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ]	Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.5534956</u>	N Longitude	<u>86.7997933</u> W
Media description:	<u>DARK BROWN WET SILTY SOIL</u>		
Aliquot #2: Latitude:	<u>33.5534441</u>	N Longitude	<u>86.7998005</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #3: Latitude:		N Longitude	W
Media description:			
Aliquot #4: Latitude:		N Longitude	W
Media description:			
Aliquot #5: Latitude:		N Longitude	W
Media description:			

STATION ID: EN0904 CV0800

SAMPLE ID: CV0860B-CS

SAMPLE COLLECTION TIME: 1018

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ]	Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55354627</u>	N Longitude	<u>86.79963192</u> W
Media description:	<u>DARK BROWN SILTY SOIL -WET</u>		
Aliquot #2: Latitude:	<u>33.55353426</u>	N Longitude	<u>86.79955245</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #3: Latitude:	<u>33.55352258</u>	N Longitude	<u>86.79960633</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #4: Latitude:	<u>33.5534474</u>	N Longitude	<u>86.79945044</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #5: Latitude:	<u>33.55345933</u>	N Longitude	<u>86.79950324</u> W
Media description:	<u>SAME AS #1</u>		

11/16/2013  
11/16/2013

(b) (6)

ADDRESS

DATE: 1/16/2013

PROPERTY ID:

CV0866

CV0907

ARRIVAL TIME: 1025

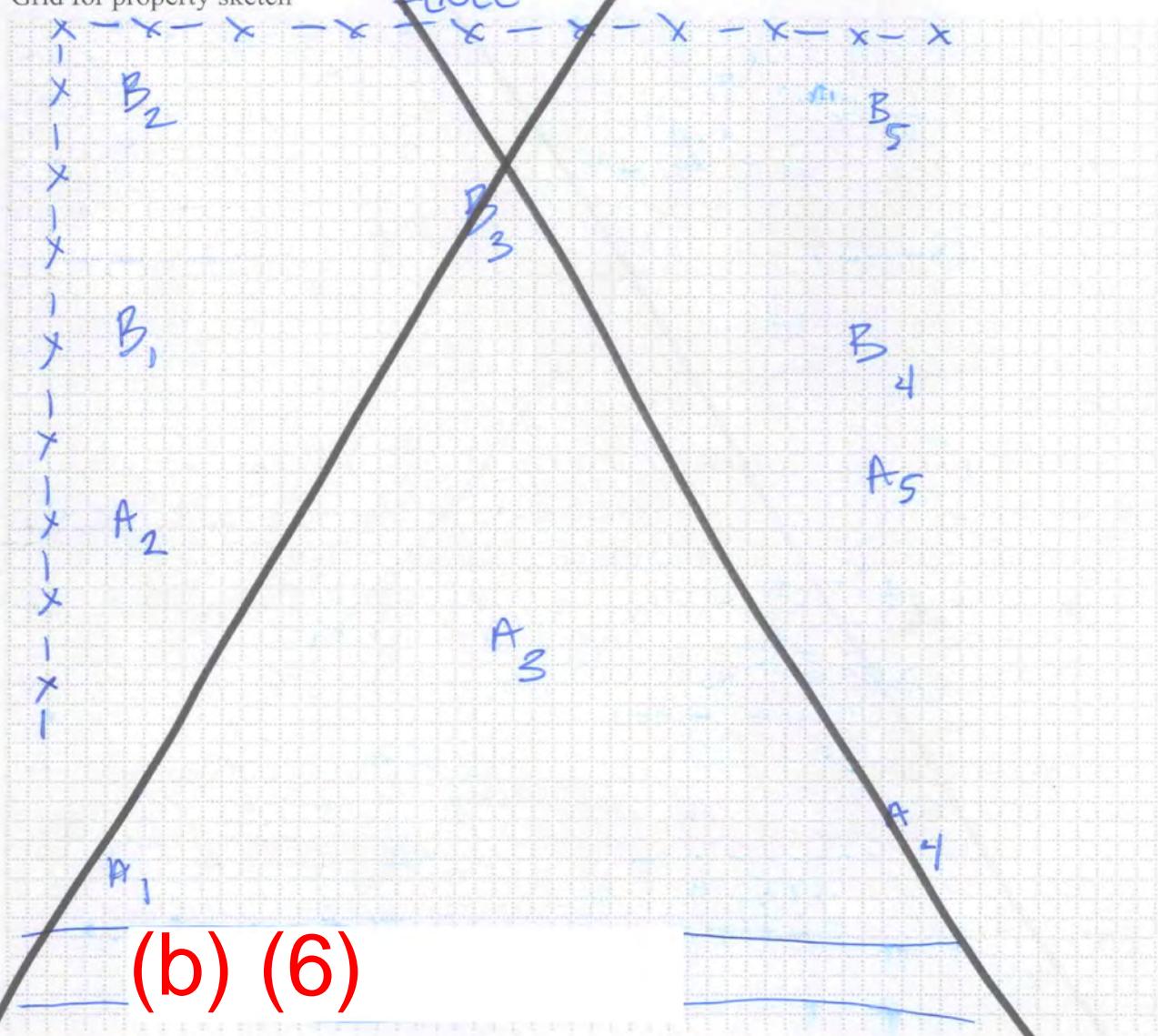
Other pertinent information (weather conditions, etc.):

40°F, CLOUD COVER WITH MISTY RAIN

PROPERTY COMMENTS:

NO ON-SITE STRUCTURE. EMPTY LOT.

Grid for property sketch



STATION ID: CU0866

SAMPLE ID: CU0866 A-CS

SAMPLE COLLECTION TIME: 1042

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.553924823</u>	N Longitude <u>86.79981798</u> W
Media description:	<u>RED/ORANGE CLAY WET</u>	
Aliquot #2 Latitude:	<u>33.553916234</u>	N Longitude <u>86.79972743</u> W
Media description:	<u>SAME AS #1</u>	
Aliquot #3: Latitude:	<u>33.55391285</u>	N Longitude <u>86.79975224</u> W
Media description:	<u>SAME AS #1</u>	
Aliquot #4: Latitude:	<u>33.55384806</u>	N Longitude <u>86.79979362</u> W
Media description:	<u>DARK BROWN WET SILTY SOIL</u>	
Aliquot #5: Latitude:	<u>33.553831628</u>	N Longitude <u>86.79972186</u> W
Media description:	<u>SAME AS #4</u>	

STATION ID: CU0866

SAMPLE ID: CU0866 B-CS

SAMPLE COLLECTION TIME: 1047

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BASIC

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	<u>018165</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.553916385</u>	N Longitude <u>86.79945412</u> W
Media description:	<u>RED/ORANGE CLAY - WET</u>	
Aliquot #2 Latitude:	<u>33.55391570</u>	N Longitude <u>86.79954855</u> W
Media description:	<u>SAME AS #1</u>	
Aliquot #3: Latitude:	<u>33.55391323</u>	N Longitude <u>86.79960877</u> W
Media description:	<u>DARK BROWN WET SILTY SOIL</u>	
Aliquot #4: Latitude:	<u>33.55383762</u>	N Longitude <u>86.79946540</u> W
Media description:	<u>SAME AS #3</u>	
Aliquot #5: Latitude:	<u>33.55381909</u>	N Longitude <u>86.79957937</u> W
Media description:	<u>SAME AS #3</u>	

**(b) (6)**

ADDRESS:

DATE: 11/26/13

PROPERTY ID: CVO904

ARRIVAL TIME: 1314

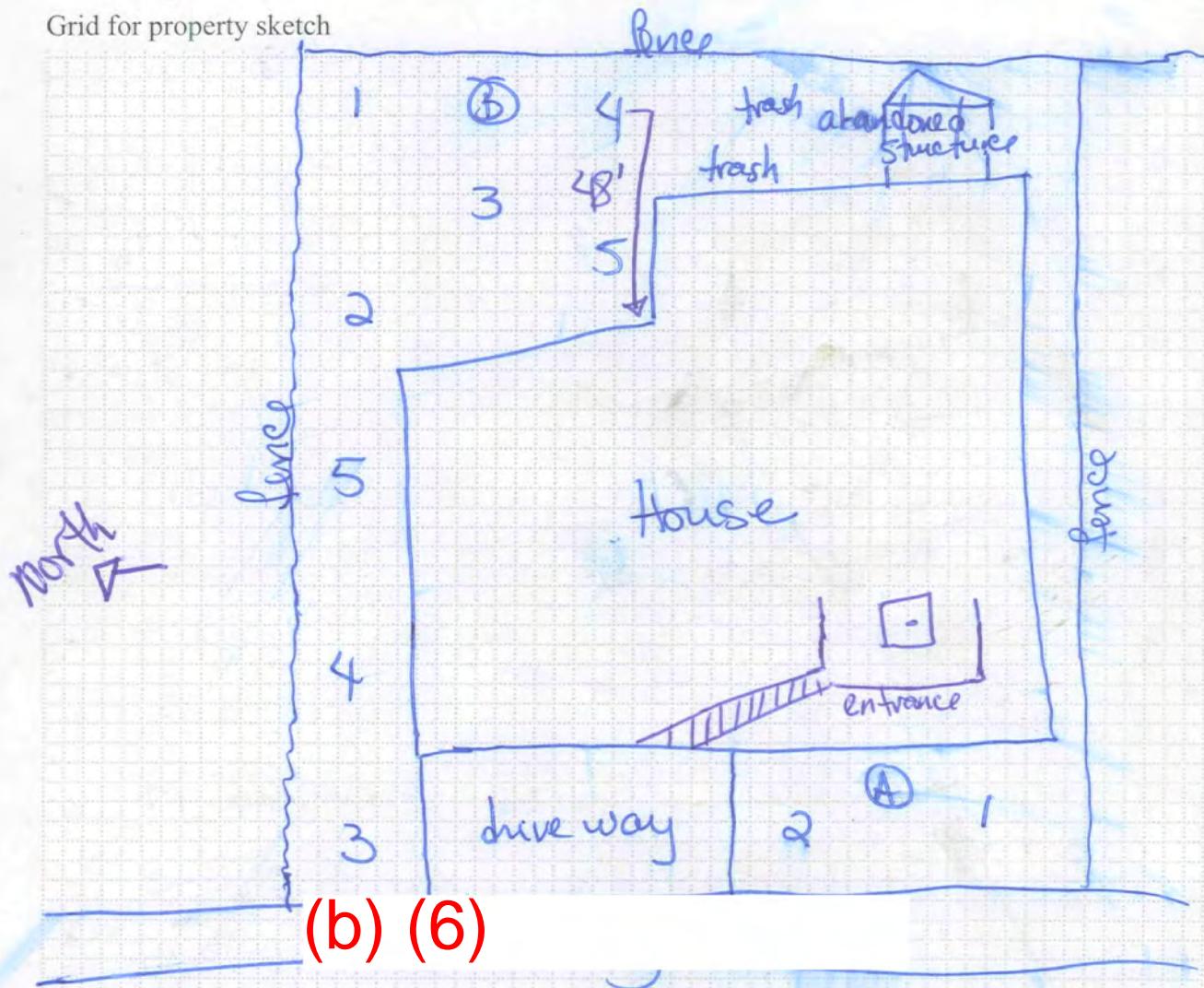
Other pertinent information (weather conditions, etc.):

44°F and cloudy

PROPERTY COMMENTS:

START talked to resident and will sample front yard and back yard. Dog at the backyard (dasil).

Grid for property sketch



STATION ID: CV0904A SAMPLE ID: CV0904A-CS

SAMPLE COLLECTION TIME: 1345

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection:  Composite or Grab

MS/MSD?  Y or  N

Field Duplicate or Split: Yes or  No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018 018165</u>	Logged?	<input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1: Latitude:	<u>33.55342861</u>		N Longitude	<u>86.799905137</u>	W
Media description:	<u>dark brown silty clay / orange clay / wet</u>				
Aliquot #2: Latitude:	<u>33.55352536</u>		N Longitude	<u>86.79905722</u>	W
Media description:	<u>same as #1</u>				
Aliquot #3: Latitude:	<u>33.55361457</u>		N Longitude	<u>86.79990397</u>	W
Media description:	<u>same as #1</u>				
Aliquot #4: Latitude:	<u>33.55362968</u>		N Longitude	<u>86.79897683</u>	W
Media description:	<u>same as #1</u>				
Aliquot #5: Latitude:	<u>33.55342750</u>		N Longitude	<u>86.79893414</u>	W
Media description:	<u>same as #1</u>				

STATION ID: CV0904B SAMPLE ID: CV0904B-CS

SAMPLE COLLECTION TIME: 1348

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection:  Composite or Grab

MS/MSD?  Y or  N

Field Duplicate or Split: Yes or  No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018165</u>	Logged?	<input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1: Latitude:	<u>33.55345147</u>		N Longitude	<u>86.79886014</u>	W
Media description:	<u>dark brown silty clay / with orange clay / wet</u>				
Aliquot #2: Latitude:	<u>33.55342248</u>		N Longitude	<u>86.79879355</u>	W
Media description:	<u>same as #1</u>				
Aliquot #3: Latitude:	<u>33.55358885</u>		N Longitude	<u>86.79883595</u>	W
Media description:	<u>same as #1</u>				
Aliquot #4: Latitude:	<u>33.55355386</u>		N Longitude	<u>86.79880830</u>	W
Media description:	<u>same as #1</u>				
Aliquot #5: Latitude:	<u>33.553520015</u>		N Longitude	<u>86.79888086</u>	W
Media description:	<u>same #1</u>				

**(b) (6)**

ADDRESS:

PROPERTY ID: CW0907

DATE: 1116113

ARRIVAL TIME: 1441

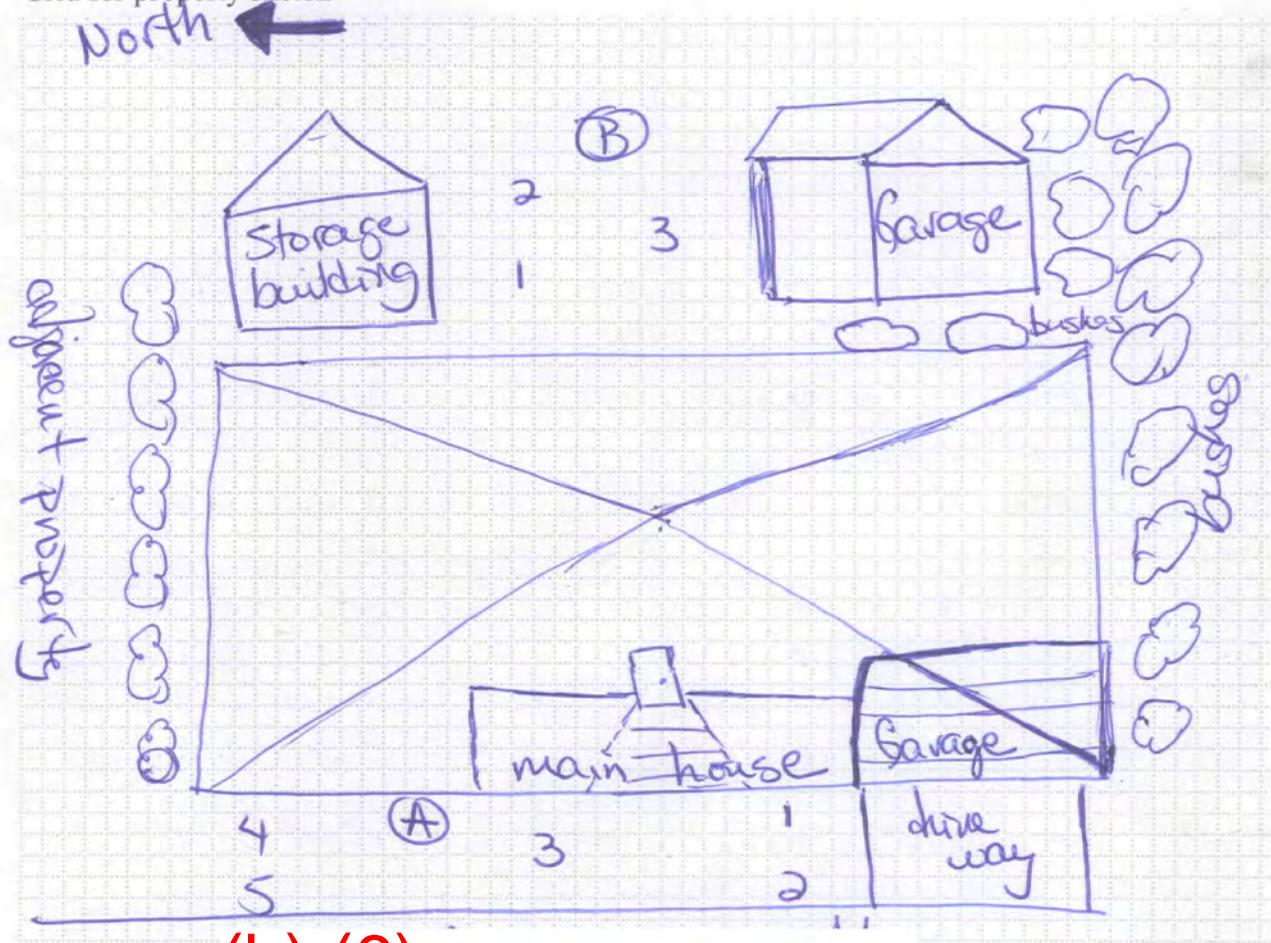
Other pertinent information (weather conditions, etc.):

43°F and raining

PROPERTY COMMENTS:

START communicated with resident, did a recon of the property and will collect samples at front yard and back yard.

Grid for property sketch



STATION ID: CU0907A SAMPLE ID: CU0907A-CS

SAMPLE COLLECTION TIME: 1533

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #:	018165	Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N
Aliquot #1: Latitude:	33.55395884	N Longitude	86.79904033 W
Media description:	dark brown sandy silt wet		
Aliquot #2: Latitude:	33.55395602	N Longitude	86.79900303 W
Media description:	Same as #1		
Aliquot #3: Latitude:	33.55387938	N Longitude	86.79903316 W
Media description:	Same as #1		
Aliquot #4: Latitude:	33.55376442	N Longitude	86.79901774 W
Media description:	brown sandy silt wet		
Aliquot #5: Latitude:	33.55377917	N Longitude	86.79903953 W
Media description:	Same as #4		

STATION ID: CU0907B SAMPLE ID: CU0907B-CS

SAMPLE COLLECTION TIME: 1538

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:			
GPS Coordinates: Trimble [X] Instrument #:	018165	Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N	
Aliquot #1: Latitude:	33.55389345	N Longitude	86.79884984 W
Media description:	light brown wet silt		
Aliquot #2: Latitude:	33.55388963	N Longitude	86.79881038 W
Media description:	Same as #1		
Aliquot #3: Latitude:	33.55385421	N Longitude	86.79884421 W
Media description:	Same as #1		
Aliquot #4: Latitude:		N Longitude	W
Media description:			
Aliquot #5: Latitude:		N Longitude	W
Media description:			

(b) (6)

~~HP-0092~~  
~~00925~~

## ADDRESS

Y ID:

DATE: ~~11/16/13~~ 11/16/13

ARRIVAL TIME: 1550 1610

**Other pertinent information (weather conditions, etc.):**

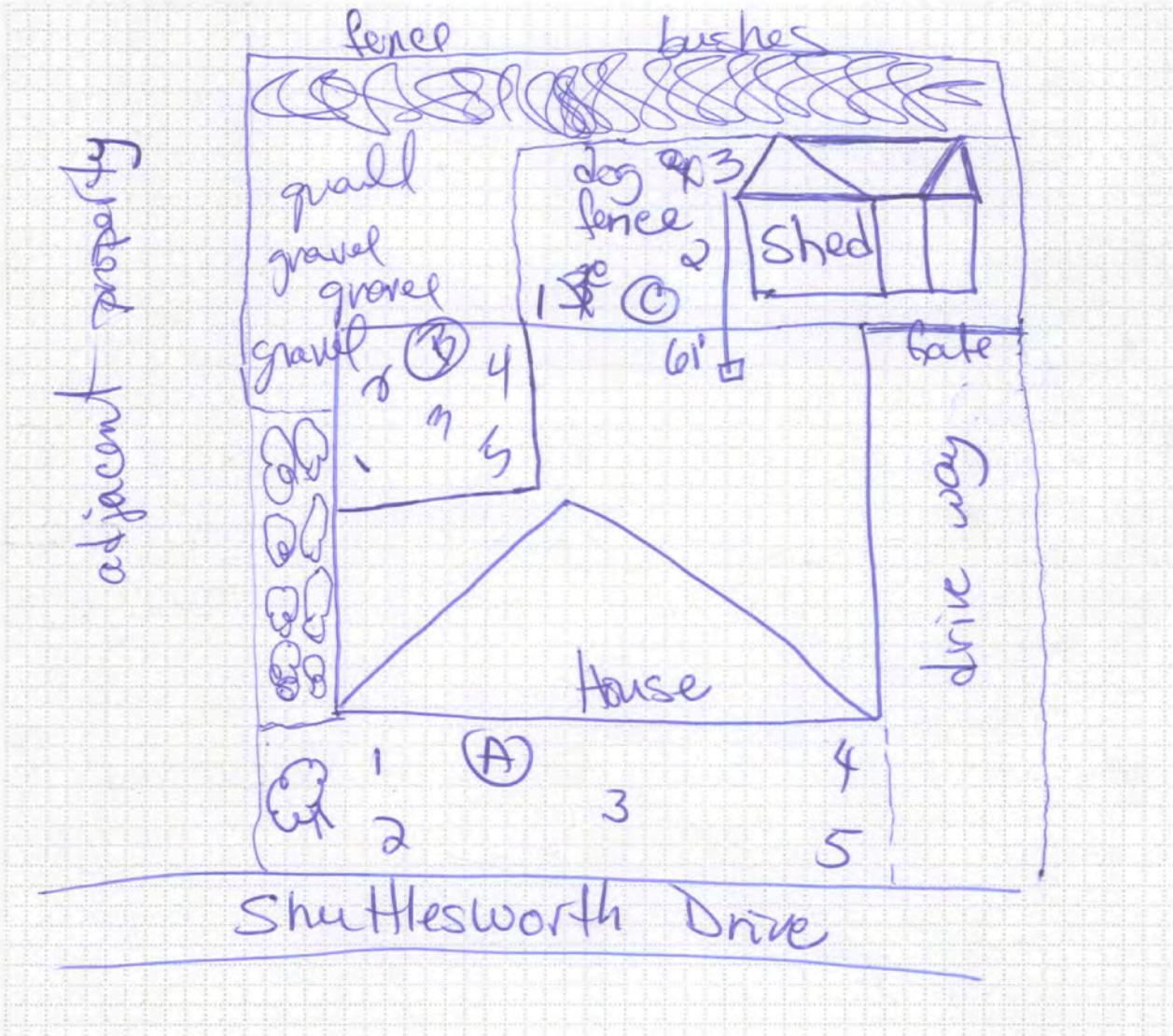
~~Rey~~ ~~hot~~ and cloudy

41°F & cloudy

**PROPERTY COMMENTS:**

~~START~~ talked to owner ~~START~~ advised the owner and the dog was chained; ~~START~~ will collect 3 samples.

### Grid for property sketch



STATION ID: HP0092A SAMPLE ID: HP0092A-CS

SAMPLE COLLECTION TIME: 1625

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018165</u>	Logged?	Y or N
Aliquot #1: Latitude:	<u>33.56557974</u>			N Longitude	<u>86.79620736</u> W
Media description:	<u>dark brown sandy silt wet w. coal fragments</u>				
Aliquot #2 Latitude:	<u>33.56557529</u>			N Longitude	<u>86.79616677</u> W
Media description:	<u>same as #1</u>				
Aliquot #3: Latitude:	<u>33.56555285</u>			N Longitude	<u>86.79619459</u> W
Media description:	<u>same as #1</u>				
Aliquot #4: Latitude:	<u>33.56551103</u>			N Longitude	<u>86.79619463</u> W
Media description:	<u>same as #1</u>				
Aliquot #5: Latitude:	<u>33.56552618</u>			N Longitude	<u>86.79623059</u> W
Media description:	<u>same as #1</u>				

STATION ID: 34 HP0092B SAMPLE ID: HP0092B-CS

SAMPLE COLLECTION TIME: 1630

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard #1

Collection: Composite or Grab

MS/MSD? Y or N

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018165</u>	Logged?	Y or N
Aliquot #1: Latitude:	<u>33.565410878</u>			N Longitude	<u>86.79596817</u> W
Media description:	<u>dark brown sandy silt wet w. coal fragments</u>				
Aliquot #2 Latitude:	<u>33.565432346</u>			N Longitude	<u>86.79600893</u> W
Media description:	<u>same as #1</u>				
Aliquot #3: Latitude:	<u>33.56542932</u>			N Longitude	<u>86.79594915</u> W
Media description:	<u>same as #1</u>				
Aliquot #4: Latitude:	<u>33.56541113</u>			N Longitude	<u>86.79591315</u> W
Media description:	<u>same as #1</u>				
Aliquot #5: Latitude:	<u>33.56543051</u>			N Longitude	<u>86.79590065</u> W
Media description:	<u>same as #1</u>				

**(b) (6)**

ADDRESS:

OPERTY ID: HPO292

DATE: 11/16/13

ARRIVAL TIME: 1610

Other pertinent information (weather conditions, etc.):

41°F feels like 36°F and cloudy

PROPERTY COMMENTS:

Owner advised and dogs were chained ...  
Refer to page 34

Grid for property sketch

Refer to page 34

STATION ID: HPO092-CSAMPLE ID: HPO092-C-CSSAMPLE COLLECTION TIME: 1643

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

backyard #7Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ <u>X</u> ]	Instrument #: <u>018105</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.54539183</u>	N Longitude <u>86.79588264</u>	W
Media description: <u>dark brown wet sandy silt w. gravel &amp; coal frags.</u>		
Aliquot #2: Latitude: <u>33.54540484</u>	N Longitude <u>86.79585140</u>	W
Media description: <u>same as #1</u>		
Aliquot #3: Latitude: <u>33.54583834</u>	N Longitude <u>86.79583834</u>	W
Media description: <u>same as #1</u>		
Aliquot #4: Latitude: <u>(X)</u>	N Longitude	W
Media description: <u>(X)</u>		
Aliquot #5: Latitude: <u>(X)</u>	N Longitude	W
Media description: <u>(X)</u>		

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ]	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude	W
Media description: _____		
Aliquot #2: Latitude: _____	N Longitude	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude	W
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude	W
Media description: _____		

(b) (6)

ADDRESS:

DATE: 11/17/13

PROPERTY ID:

HP0020

ARRIVAL TIME: 0900

Other pertinent information (weather conditions, etc.):

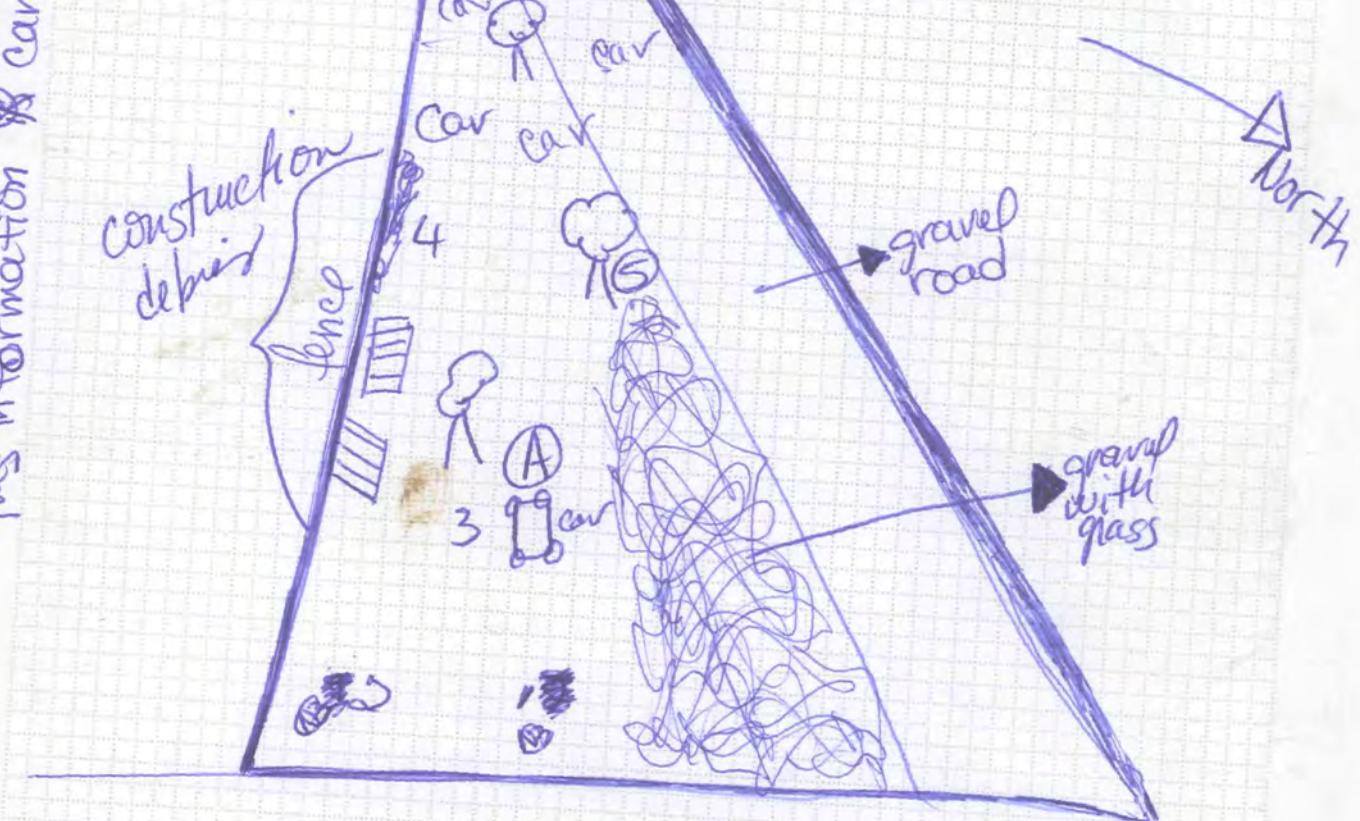
38°F & light rain; feels like 33°F

PROPERTY COMMENTS:

START approached a resident to ask about people or owner of church due to the properties pertaining to the church; however this property based on the neighbor at residence #349 Shuttlesworth Dr. have been given to them because they maintain it.

Grid for property sketch

Note: This property was sampled on Dec 2012, therefore this information cannot be used.



(b) (6)

STATION ID: HP0020A SAMPLE ID: HP0020A-CS

SAMPLE COLLECTION TIME: 0951

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [X]	Instrument #:	<u>0181105</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.546040769</u>	N Longitude <u>86.79367973</u>	W
Media description:	<u>reddish brown clayey silt wet</u>		
Aliquot #2 Latitude:	<u>33.546131193</u>	N Longitude <u>86.79366594</u>	W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.54635025</u>	N Longitude <u>86.79379289</u>	W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	<u>33.54631473</u>	N Longitude <u>86.79391307</u>	W
Media description:	<u>Same as #1</u>		
Aliquot #5: Latitude:	<u>33.54637744</u>	N Longitude <u>86.79392353</u>	W
Media description:	<u>Same as #1</u>		

STATION ID: HP0020B SAMPLE ID: HP0020B-CS

SAMPLE COLLECTION TIME: \_\_\_\_\_

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [X]	Instrument #:	<u>018165</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.546335783</u>	N Longitude <u>86.79404204</u>	W
Media description:	_____		
Aliquot #2 Latitude:	<u>33.54637713</u>	N Longitude <u>86.79416620</u>	W
Media description:	_____		
Aliquot #3: Latitude:	<u>33.54641145</u>	N Longitude <u>86.79408071</u>	W
Media description:	_____		
Aliquot #4: Latitude:	N Longitude _____ W		
Media description:	_____		
Aliquot #5: Latitude:	N Longitude _____ W		
Media description:	_____		

This information cannot be utilized. Don't

(b) (6)

ADDRESS: \_\_\_\_\_ D: HP0307

DATE: 11/17/2013 ARRIVAL TIME: 1000

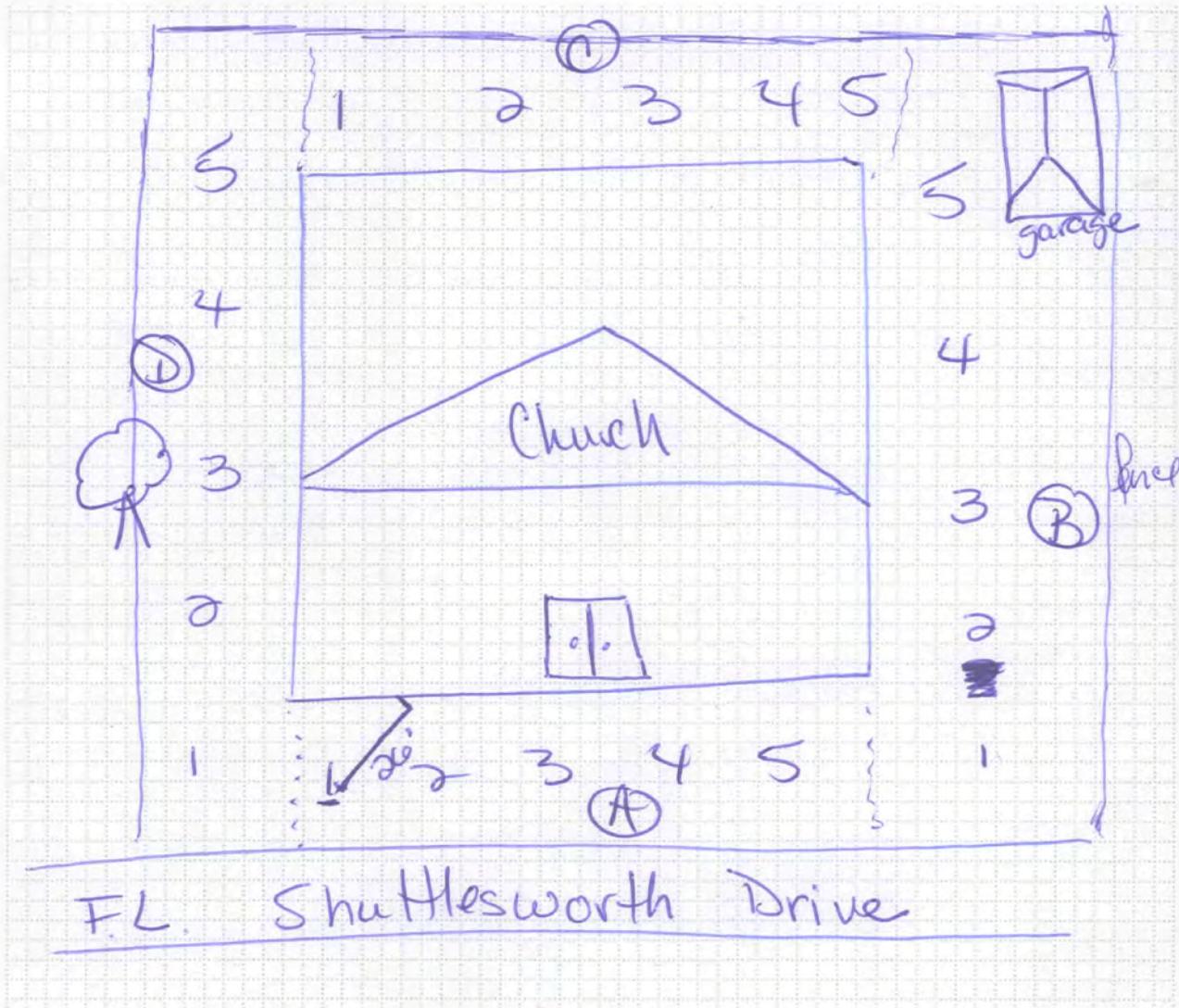
Other pertinent information (weather conditions, etc.):

26° F and cloudy

PROPERTY COMMENTS:

START will collect samples at side yards,  
front yard and backyard

Grid for property sketch



STATION ID: HPO307 A SAMPLE ID: HPO307 A-CS

SAMPLE COLLECTION TIME: 1050

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble [Y]	Instrument #:	<u>018105</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.56691569</u>	N Longitude	<u>86.79396238</u>	W
	Media description:	<u>dark brown/black silty w. gravel clay</u>			
Aliquot #2	Latitude:	<u>33.56691569</u>	N Longitude	<u>86.79402324</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.56689263</u>	N Longitude	<u>86.79406861</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.56687456</u>	N Longitude	<u>86.79111135</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.56684321</u>	N Longitude	<u>86.79414316</u>	W
	Media description:	<u>same as #1</u>			

STATION ID: HPO307 B SAMPLE ID: HPO307 B-CS

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard #1

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates:	Trimble [Y]	Instrument #:	<u>018105</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.56678870</u>	N Longitude	<u>86.79410600</u>	W
	Media description:	<u>brown/black silty clay wet</u>			
Aliquot #2	Latitude:	<u>33.56674710</u>	N Longitude	<u>86.79407455</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.56670966</u>	N Longitude	<u>86.79404777</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.56667136</u>	N Longitude	<u>86.79400669</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.56660309</u>	N Longitude	<u>86.79397145</u>	W
	Media description:	<u>same as #1</u>			

**(b) (6)**

ADDRESS:

PROPERTY ID: # P0307

DATE: 11/17/13

ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

26°F & raining

PROPERTY COMMENTS:

Refer to

page 47

Grid for property sketch

Refer to  
page 47

STATION ID: HP0307 C SAMPLE ID: HP0307C-CS

SAMPLE COLLECTION TIME: 1100

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble <u>10</u>	Instrument #: <u>018165</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56665012</u>	N Longitude <u>86.79378466</u>	W
Media description: <u>dark brown clayey silt wet</u>		
Aliquot #2 Latitude: <u>33.56663004</u>	N Longitude <u>86.79383462</u>	W
Media description: <u>same as #1</u>		
Aliquot #3: Latitude: <u>33.56660770</u>	N Longitude <u>86.79388404</u>	W
Media description: <u>brown/orange wet clay</u>		
Aliquot #4: Latitude: <u>33.56658781</u>	N Longitude <u>86.79393209</u>	W
Media description: <u>same as #1</u>		
Aliquot #5: Latitude: <u>33.5657753</u>	N Longitude <u>86.79398166</u>	W
Media description: <u>Same as #1</u>		

STATION ID: HP 0307 D SAMPLE ID: HP0307D-CS

SAMPLE COLLECTION TIME: 1105

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

side yard #2

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble <u>10</u>	Instrument #: <u>018165</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56688379</u>	N Longitude <u>86.79393602</u>	W
Media description: <u>dark brown/brown silty clay wet</u>		
Aliquot #2 Latitude: <u>33.56684609</u>	N Longitude <u>86.79391140</u>	W
Media description: <u>same as #1</u>		
Aliquot #3: Latitude: <u>33.56680118</u>	N Longitude <u>86.79388351</u>	W
Media description: <u>same as #1</u>		
Aliquot #4: Latitude: <u>33.56675650</u>	N Longitude <u>86.79386372</u>	W
Media description: <u>brown silt wet</u>		
Aliquot #5: Latitude: <u>33.56669256</u>	N Longitude <u>86.79382352</u>	W
Media description: <u>brown/orange clay wet</u>		

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CU 0444

DATE: 11/7/2013 ARRIVAL TIME: 1317

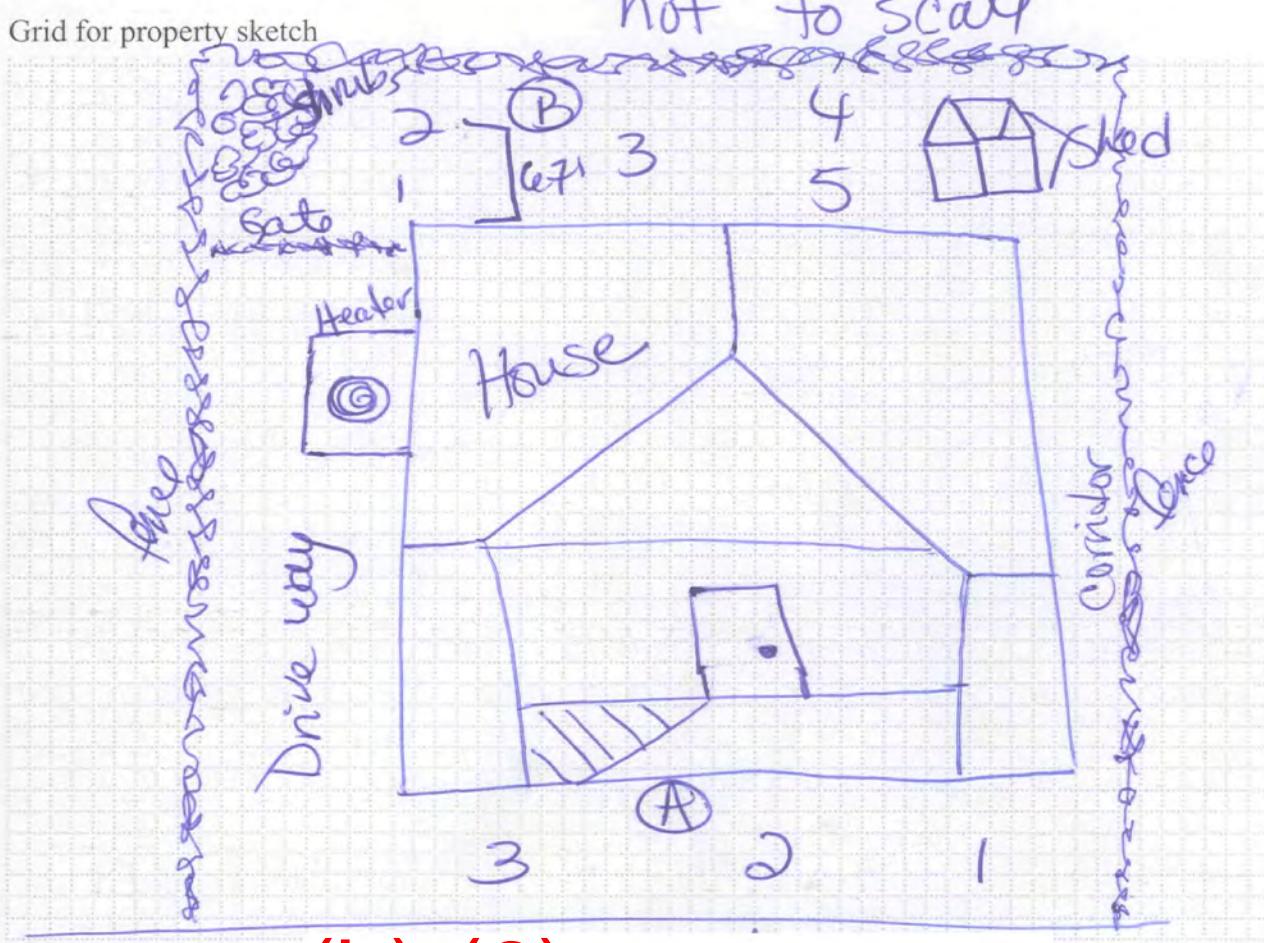
Other pertinent information (weather conditions, etc.):

24°F and Snow showers

PROPERTY COMMENTS:

No resident home at the time of sampling;  
START will collect a front yard and back yard  
sample.

Grid for property sketch



(b) (6)

STATION ID: CVO444A

SAMPLE ID: CVO444A-CS

SAMPLE COLLECTION TIME: 1332

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #:	08165	Logged?	Y or N
Aliquot #1: Latitude:	33.55486175	N Longitude	86.80064302	W
Media description:	dark brown silt wet			
Aliquot #2 Latitude:	33.55482818	N Longitude	86.80064020	W
Media description:	same as #1			
Aliquot #3: Latitude:	33.55479775	N Longitude	86.80064786	W
Media description:	same as #1			
Aliquot #4: Latitude:		N Longitude		W
Media description:				
Aliquot #5: Latitude:		N Longitude		W
Media description:				

STATION ID: CVO444B

SAMPLE ID: CVO444B-CS

SAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:				
GPS Coordinates: Trimble [X]	Instrument #:	08165	Logged?	Y or N
Aliquot #1: Latitude:	33.55477396	N Longitude	86.80079344	W
Media description:	dark brown silt wet			
Aliquot #2 Latitude:	33.55477435	N Longitude	86.80105231	W
Media description:	same as #1			
Aliquot #3: Latitude:	33.55480545	N Longitude	86.80096148	W
Media description:	same as #1			
Aliquot #4: Latitude:	33.55485364	N Longitude	86.80103911	W
Media description:	same as #1			
Aliquot #5: Latitude:	33.55483434	N Longitude	86.80089507	W
Media description:	same as #1			

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0949

DATE: 1/18/2013 ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

35°F, ICEY GROUND BUT SUNNY/BLUE SKIES

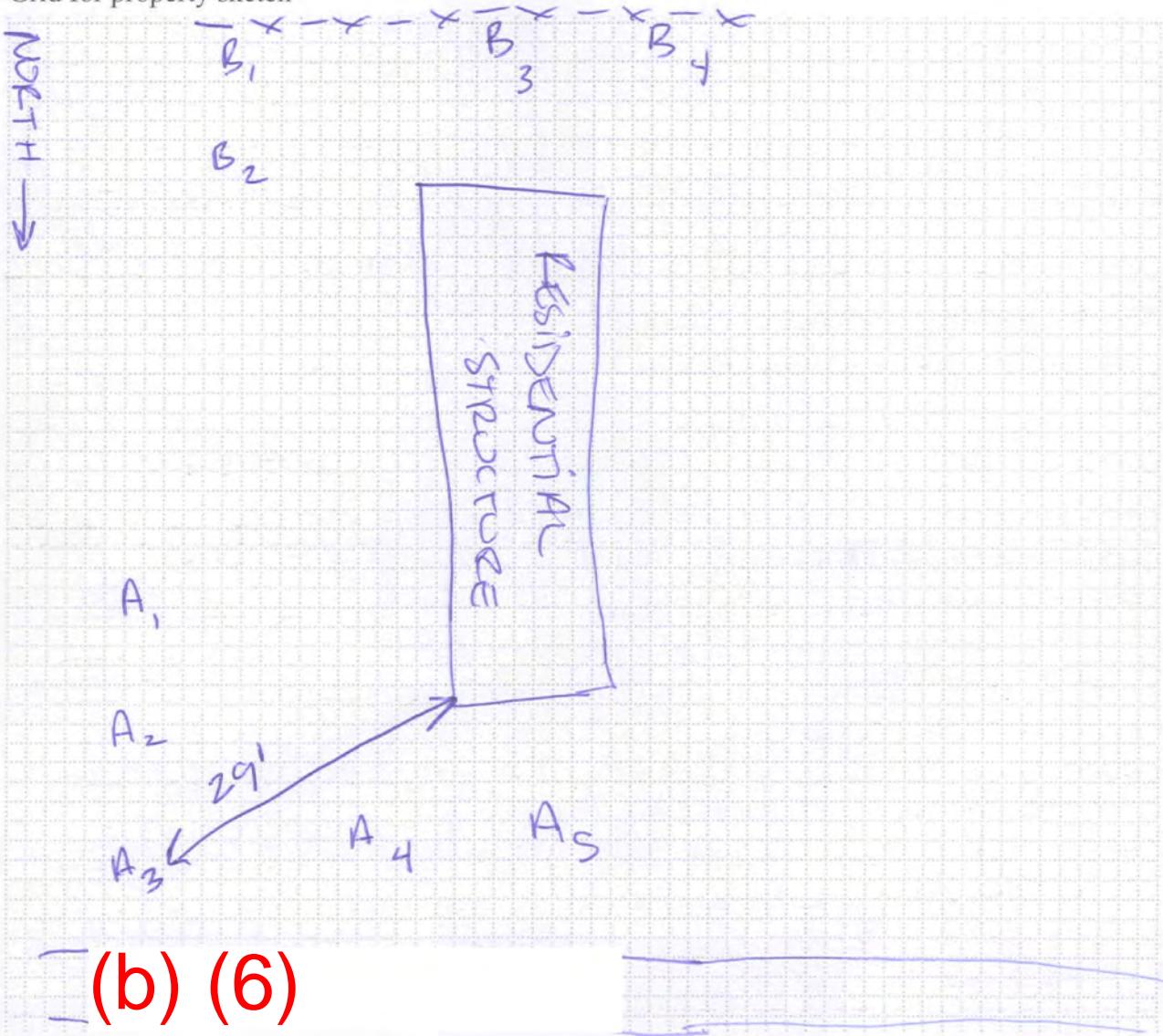
PROPERTY COMMENTS:

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Grid for property sketch



STATION ID: CV0949

SAMPLE ID: CV0949A-CS

SAMPLE COLLECTION TIME: 0846

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT YARD

Collection: Composite or Grab

MS/MSD? Y or  N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0949A-CS

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55811901	N Longitude 86.79488856 W
Media description: WET SILTY SOIL - Brown	
Aliquot #2 Latitude: 33.55816161	N Longitude 86.79488911 W
Media description: SAME AS #1	
Aliquot #3: Latitude: 33.55820706	N Longitude 86.79489050 W
Media description: SAME AS #1	
Aliquot #4: Latitude: 33.55820436	N Longitude 86.79497532 W
Media description: SAME AS #1	
Aliquot #5: Latitude: 33.55820001	N Longitude 86.79501953 W
Media description: SAME AS #1	

STATION ID: CV0949

SAMPLE ID: CV0949B

SAMPLE COLLECTION TIME: 0905

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or  NField Duplicate or Split: Yes or  No If yes, indicate Duplicate/split sample station ID: \_\_\_\_\_

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.55793479	N Longitude 86.79493587 W
Media description: BROWN WET SILTY SOIL	
Aliquot #2 Latitude: 33.55794149	N Longitude 86.79494439 W
Media description: SAME AS #1	
Aliquot #3: Latitude: 33.55793949	N Longitude 86.79499803 W
Media description: SAME AS #1	
Aliquot #4: Latitude: 33.55793196	N Longitude 86.79503979 W
Media description: SAME AS #1	
Aliquot #5: Latitude: _____	N Longitude _____ W
Media description: _____	

(b) (6)

ADDRESS:

PROPERTY ID: HPO300

DATE: 1/18/2013

ARRIVAL TIME: 0920

Other pertinent information (weather conditions, etc.):

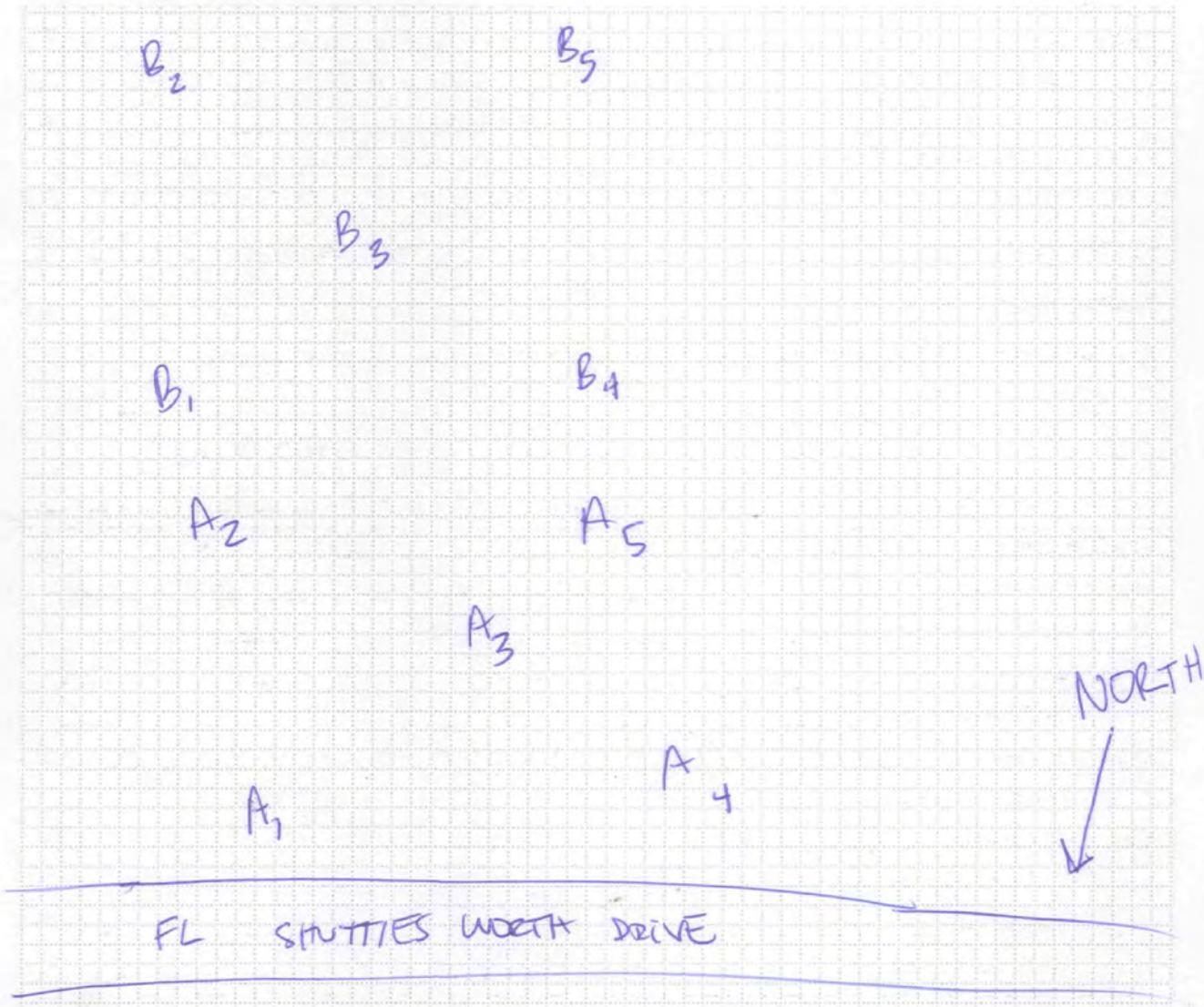
35°F, SUNNY SKIES WITH ICE/SNOW ON GROUND

PROPERTY COMMENTS:

NO ON-SITE STRUCTURE - EMPTY LOT.

STANDING WATER ON GROUNDS OF  
PROPERTY.

Grid for property sketch



STATION ID: HPO300

SAMPLE ID: HPO300A -cs

SAMPLE COLLECTION TIME: 0940

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.560042087	N Longitude 86.79524596 W
Media description: BROWN SILTY WET SOIL	
Aliquot #2 Latitude: 33.56029959	N Longitude 86.79518173 W
Media description: SAME AS #1	
Aliquot #3: Latitude: 33.56035751	N Longitude 86.79525139 W
Media description: SAME AS #1	
Aliquot #4: Latitude: 33.56038146	N Longitude 86.79533769 W
Media description: SAME AS #1	
Aliquot #5: Latitude: 33.56026115	N Longitude 86.795264353 W
Media description: SAME AS #1	

STATION ID: HPO300

SAMPLE ID: HPO300B -cs

SAMPLE COLLECTION TIME: 0945

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO300B -csd

GPS Coordinates: Trimble [ ] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: 33.56025237	N Longitude 86.79515156 W
Media description: BROWN SILTY WET SOIL	
Aliquot #2 Latitude: 33.56009418	N Longitude 86.79504997 W
Media description: BLACK SILTY SOIL WITH SOME COAL FRAGMENTS	
Aliquot #3: Latitude: 33.56017061	N Longitude 86.79516056 W
Media description: SAME AS #1	
Aliquot #4: Latitude: 33.56021940	N Longitude 86.79523834 W
Media description: SAME AS #1	
Aliquot #5: Latitude: 33.56007219	N Longitude 86.79514376 W
Media description: SAME AS #2	

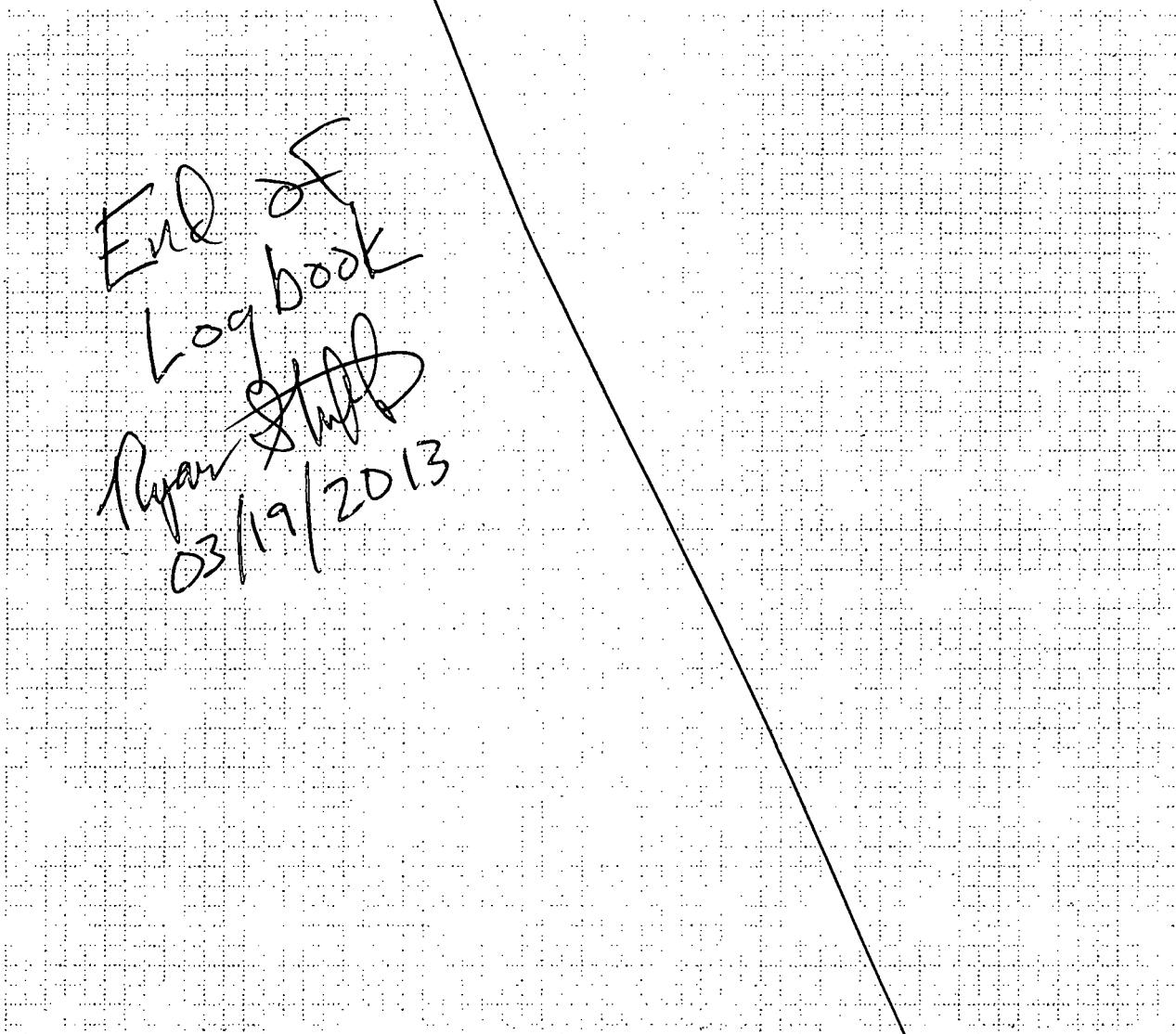
ADDRESS: \_\_\_\_\_ PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_  
\_\_\_\_\_

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch



The remaining pages in this logbook are  
blank and have not been scanned.